WEEKLY BULLETINS OF MASS. STATE BOARD OF HEALTH

1901

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Weekly Bulletin

OF THE

Mass; STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 5, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston. Mass.

VOL. XIX. No. 1.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
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SAMUEL W. ABBOTT, M.D., *Secretary.*

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STATE HOUSE, BOSTON

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 5, 1901.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	239	64	60	44	4	4	22
Worcester,	118,421	44	13	9	3	1	2	3
Fall River,	104,863	..	..	..	..	..	..	..
Lowell,	94,969	32	9	9	7	..	..	3
Cambridge,	91,886	15	3	6	2	..	..	2
Lynn,	68,513	..	..	..	..	..	..	..
Lawrence,	62,559	29	11	5	2	..	..	1
New Bedford,	62,442	27	10	5	5	..	..	..
Springfield,	62,059	17	..	2	4	..	1	..
Somerville,	61,643	20	4	7	2	..	..	3
Holyoke,	45,712	..	..	..	..	..	..	..
Brockton,	40,063	3	1	1	..	..	..	..
Haverhill,	37,175	10	2	3	1	..	..	2
Salem,	35,956	13	4	1	4	..	..	1
Chelsea,	34,072	8	..	..	..	..	..	..
Malden,	33,664	9	3	1	1	..	..	..
Newton,	33,587	14	4	2	2	..	..	..
Fitchburg,	31,531	9	2	2	2	..	..	..
Taunton,	31,036	12	3	2	2	..	..	..
Gloucester,	26,121	2	1	1	..	..	..	..
Everett,	24,336	9	4	..	2	..	..	..
North Adams,	24,200	5	2	3	..	..	..	..
Quincy,	23,899	7	..	2	..	..	..	..
Waltham,	23,481	7	2	3	..	..	2	1
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	9	2	3	..	..	..	1
Northampton,	18,643	6	1	..	2	..	..	..
Medford,	18,244	..	..	..	..	..	..	..
Newburyport,	14,478	5	1	..	1	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	3	1	1	1	..	..	1
Marlborough,	13,609	1	1	1	..	..	..	1
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	4	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,235	..	..	..	..	..	..	..

RECAPITULATION.

	Estimated Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,606,518	559	148	129	87	5	9	41

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Deaths from Prevalent Diseases in 27 Cities and Larger Towns of Massachusetts.

One hundred and twenty-nine deaths were reported from the principal infectious diseases: diarrhœal diseases, 5; diphtheria and croup, 41; scarlet fever, 5; typhoid fever, 9; cerebro-spinal meningitis, 4; whooping-cough, 5.

No deaths were reported from small-pox, measles, puerperal fever, malarial fever and erysipelas.

There were 59 deaths from consumption, acute lung diseases, 87, and stillbirths, 20.

From scarlet fever: Boston, 4; Worcester 1. From cerebro-spinal meningitis: Boston, 2; Gloucester and North Adams, 1 each. From whooping-cough: Boston, 2; Worcester, Somerville and Chicopee, 1 each. From typhoid fever: Boston, 4; Worcester and Waltham, 2 each; Springfield, 1.

Deaths under five years of age numbered 148, as compared with 136 for the preceding week.

Deaths from the principal infectious diseases numbered 129, as compared with 120 for the preceding week.

The death rates for the week were Boston, 22.16; Worcester, 19.32; Fall River, ——; Lowell, 17.53; Cambridge, 8.48; Lynn, ——; Lawrence, 24.12; New Bedford, 22.50; Springfield, 14.26; Somerville, 16.88; Holyoke, ——; Brockton, 3.90; Haverhill, 14.01; Salem, 18.83; Chelsea, 12.23; Malden, 13.93; Newton, 21.73; Fitchburg, 14.85; Taunton, 20.13; Gloucester, 3.98; Everett, 19.26; North Adams, 10.74; Quincy, 15.23; Waltham, 15.49; Pittsfield, ——; Brookline, ——; Chicopee, 24.50; Northampton, 16.77; Medford, ——; Newburyport, 18.05; Woburn, ——; Beverly, ——; Clinton, 11.47; Marlborough, 3.82; Melrose, 16.12.

The total death rate for the week was 18.09 as compared with 17.19 and 15.34 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 5, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	153	Measles,	53
Diphtheria and croup,	423	Typhoid fever,	69
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 5, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Dec. 30,	29.93	37	46	28	60	75	68	S. W.	S. W.	9	7	C.	O.		0.00
Monday, 31,	29.77	40	43	37	96	86	91	N. W.	S. W.	6	7	R.	O.		0.44
Tuesday, Jan. 1,	30.26	30	42	19	68	58	63	W.	N. W.	12	15	O.	C.		0.00
Wednesday, 2,	30.40	24	32	17	50	42	46	S. W.	W.	8	12	C.	C.		0.00
Thursday, 3,	30.67	14	23	6	45	33	39	N.	S. W.	14	6	C.	C.		0.00
Friday, 4,	30.23	22	32	12	61	43	52	S. W.	S. W.	12	12	F.	C.		0.00
Saturday, 5,	30.27	24	30	19	77	32	54	N.	W.	8	12	C.	C.		0.00
Week,															

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 12, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 2.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 12, 1901.

Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	233	68	54	44	2	4	10
Worcester,	118,421	33	14	4	4	1	..	..
Fall River,	104,863	..	..	..	..	..	..	..
Lowell,	94,969	27	5	1	6	..	..	..
Cambridge,	91,886	24	10	5	4	..	1	..
Lynn,	68,513	..	..	..	..	..	..	..
Lawrence,	62,559	17	5	2	5	..	..	1
New Bedford,	62,442	20	10	2	2	..	..	..
Springfield,	62,059	13	1	3	3	..	1	..
Somerville,	61,643	16	8	5	3	..	1	2
Holyoke,	45,712	16	7	2	3	..	..	1
Brockton,	40,063	12	1	1	11	..	..	..
Haverhill,	37,175	7	..	3	..	..	..	..
Salem,	35,956	17	4	2	4	..	..	1
Chelsea,	34,072	9	4	1	..	..	..	1
Malden,	33,664	10	2	3	1	..	..	1
Newton,	33,587	7	1	2	3	..	1	1
Fitchburg,	31,531	8	2	2	1	..	..	1
Taunton,	31,036	10	1	2	1	..	..	..
Gloucester,	26,121	4	..	..	..	..	..	..
Everett,	24,336	11	6	6	2	..	..	4
North Adams,	24,200	6	2	2	1	..	..	1
Quincy,	23,899	6	..	3	..	..	..	..
Waltham,	23,481	5	..	2	1	..	..	..
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	5	1	1	1	..	..	1
Chicopee,	19,167	2	..	..	1	..	..	..
Northampton,	18,643	2	..	..	1	..	..	..
Medford,	18,244	3	1	2	1	..	..	1
Newburyport,	14,478	4	1	1	..	..	1	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	6	..	1	..	..	..	..
Marlborough,	13,609	8	1	3	1	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	4	1	1	2	..	..	1
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..

RECAPITULATION.

	Estimated Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,790,409	545	156	116	106	3	9	27

Deaths from Prevalent Diseases in 30 Cities and Larger Towns of Massachusetts.

One hundred and sixteen deaths were reported from the principal infectious diseases: scarlet fever, 3; diphtheria and croup, 27; typhoid fever, 9; cerebro-spinal meningitis, 2; measles, 3; whooping-cough, 4; erysipelas, 3; diarrhœal diseases, 7.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 58 deaths from consumption, acute lung diseases, 106, and stillbirths, 38.

From scarlet fever: Boston, 2; Worcester, 1. From cerebro-spinal meningitis: North Adams, 1; Clinton, 1. From measles: Boston, 3. From whooping-cough: Boston, Cambridge, Somerville and Everett, 1 each. From erysipelas: Boston, Springfield and Taunton, 1 each. From typhoid fever: Boston, 4; Cambridge, Springfield, Somerville, Newton and Newburyport, 1 each. From diarrhœal diseases: Boston, 4; Worcester, Clinton and Waltham, 1 each.

Deaths under five years of age numbered 156, as compared with 148 for the preceding week.

Deaths from the principal infectious diseases numbered 116, as compared with 129 for the preceding week.

The death rates for the week were Boston, 21.60; Worcester, 14.49; Fall River, ——; Lowell, 14.67; Cambridge, 13.58; Lynn, ——; Lawrence, 14.14; New Bedford, 16.67; Springfield, 10.90; Somerville, 13.51; Holyoke, 18.21; Brockton, 15.60; Haverhill, 9.78; Salem, 24.62; Chelsea, 13.72; Malden, 15.43; Newton, 10.83; Fitchburg, 13.21; Taunton, 16.77; Gloucester, 7.97; Everett, 23.54; North Adams, 12.89; Quincy, 13.05; Waltham, 11.06; Pittsfield, ——; Brookline, 13.57; Chicopee, 5.42; Northampton, 5.59; Medford, 8.57; Newburyport, 14.34; Woburn, ——; Beverly, ——; Clinton, 22.77; Marlborough, 30.59; Melrose, 16.00.

The total death rate for the week was 15.83 as compared with 18.09 and 17.19 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 12, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	134	Measles,	86
Diphtheria and croup,	377	Typhoid fever,	52
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 12, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . Jan. 6,	30.24	28	37	18	57	79		68	S. W.	S. W.	12	8		C.	C.			0.00
Monday, . . 7,	30.02	36	43	28	68	82		75	S. W.	W.	8	10		O.	F.			T
Tuesday, . . 8,	30.27	31	35	27	72	78		75	N. W.	S.	7	10		C.	C.			0.00
Wednesday, . 9,	30.12	40	50	31	81	82		82	S. W.	N. W.	14	14		O.	O.			T
Thursday, . . 10,	30.27	29	35	23	65	96		80	N. E.	N. E.	16	18		O.	R.			0.32
Friday, . . 11,	30.02	26	33	20	41	95		68	N.	N. E.	9	10		O.	N.			0.20
Saturday, . . 12,	29.60	39	35	23	100	89		94	N.	W.	20	12		N.	C.			0.83
Week, . . .																		

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 19, 1901.

Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

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CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	229	54	53	36	3	1	18
Worcester,	118,421	35	15	5	10	..	1	..
Fall River,	104,863	34	12	6	5	..	..	1
Lowell,	94,969	40	11	5	9	..	..	1
Cambridge,	91,886	36	12	7	7	..	..	3
Lynn,	68,513	25	6	3	..	..	1	2
Lawrence,	62,559	26	9	7	3	..	..	1
New Bedford,	62,442	33	12	5	8	..	..	..
Springfield,	62,059	14	3	1	3	..	..	..
Somerville,	61,643	..	..	..	..	..	..	..
Holyoke,	45,712	18	6	4	3	..	..	1
Brockton,	40,063	8	1	2	3	..	..	..
Haverhill,	37,175	6	1	..	1	..	..	..
Salem,	35,956	13	4	2	4	1	..	..
Chelsea,	34,072	13	1	..	..	..	..	..
Malden,	33,664	7	3	1	1	..	..	..
Newton,	33,587	11	5	2	2	..	..	1
Fitchburg,	31,531	10	7	1	..	..	..	1
Taunton,	31,036	14	2	2	3	..	..	..
Gloucester,	26,121	8	2	3	..	..	..	3
Everett,	24,336	5	3	1	1	..	..	..
North Adams,	24,200	4	..	1	1	..	1	..
Quincy,	23,899	1	1	1	..	..	..	1
Waltham,	23,481	7	..	4	..	..	..	..
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	6	2	..	2	..	..	..
Northampton,	18,643	7	1	2	..	..	..	1
Medford,	18,244	9	2	..	3	..	..	..
Newburyport,	14,478	9	2	1	1	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	4	2	1	..	..	..	1
Marlborough,	13,609	1	..	..	1	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	5	1	1	..	..	..	1
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Revere,	10,395	3	..	3	..	..	..	3

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,792,602	641	180	124	107	4	4	39

Deaths from Prevalent Diseases in 31 Cities and Larger Towns of Massachusetts.

One hundred and twenty-four deaths were reported from the principal infectious diseases: diarrhœal, 3; diphtheria and croup, 39; scarlet fever, 4; typhoid fever, 4; cerebro-spinal meningitis, 3; measles, 2; whooping-cough, 4; puerperal fever, 1; erysipelas, 1.

No deaths were reported from small-pox and malarial fever.

From scarlet fever: Boston, 3; Salem, 1. From cerebro-spinal meningitis: Worcester, New Bedford, Everett, 1 each. From measles: Boston, 2. From whooping-cough: Boston, Worcester, Malden, Newburyport, 1 each. From puerperal fever: Boston, 1. From erysipelas: Lowell, 1.

Deaths under five years of age numbered 180, as compared with 156 for the preceding week.

Deaths from the principal infectious diseases numbered 124, as compared with 116 for the preceding week.

The death rates for the week were Boston, 21.23; Worcester, 15.37; Fall River, 16.86; Lowell, 21.91; Cambridge, 20.37; Lynn, 18.98; Lawrence, 22.56; New Bedford, 27.50; Springfield, 11.75; Somerville, ——; Holyoke, 20.48; Brockton, 10.40; Haverhill, 8.40; Salem, 18.83; Chelsea, 19.88; Malden, 10.77; Newton, 17.07; Fitchburg, 16.50; Taunton, 23.48; Gloucester, 15.94; Everett, 10.69; North Adams, 8.59; Quincy, 2.17; Waltham, 15.55; Pittsfield, ——; Brookline, ——; Chicopee, 16.33; Northampton, 19.57; Medford, 25.71; Newburyport, 32.50; Woburn, ——; Beverly, ——; Clinton, 15.44; Marlborough, 3.82; Hyde Park, ——; Melrose, 20.00; Revere, 15.00.

The total death rate for the week was 18.60 as compared with 15.83 and 18.09 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 19, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	139	Measles,	93
Diphtheria and croup,	348	Typhoid fever,	45
	Small-pox, 1		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 19, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . Jan. 13,	29.98	26	31	21	71	62	66	N. W.	N. W.	12	8	C.	C.		0.00
Monday, . . 14,	29.98	24	30	18	84	85	84	W.	S. W.	7	8	C.	O.		0.00
Tuesday, . . 15,	29.87	34	38	30	96	86	91	S. E.	S.	10	9	O.	O.		0.03
Wednesday, . 16,	29.72	42	48	37	76	92	84	S.	S. W.	14	17	O.	O.		0.02
Thursday, . . 17,	29.62	38	44	32	73	100	86	W.	N.	9	8	O.	N.		0.01
Friday, . . 18,	29.61	20	32	8	89	44	66	N. W.	W.	12	25	O.	C.		0.04
Saturday, . . 19,	30.27	4	10	—1	60	40	50	N.	N.W.	8	14	O.	C.		0.00
Week, . . .															

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of January, 1901.

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	334	179	513	Maple Syrup,	4	..	4
Butter,	13	..	13	Canned Goods,	1	..	1
Cheese,	5	..	5	Honey,	11	2	13
Lard,	1	..	1	Tea,	1	..	1
Olive Oil,	..	..	..	Coffee,	13	1	14
Vinegar,	1	3	4	Cocoa,	7	5	12
Spices,	125	13	138	Confectionery,	9	..	9
Cream of Tartar,	31	2	33	Other articles of Food and Drinks,	16	1	17
Molasses,	5	5	10	Drugs,	20	32	52
Syrups,	..	2	2				
Maple Sugar,	2	..	2				
				Totals,	599	245	844

Percentage of adulteration, 29.03. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 34.9 per cent., as compared with 40.9 per cent. for the preceding month, while the percentage of other articles of food found to be adulterated was 12.2.

Ten complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs.

Four of these complaints were for violation of the statutes relative to the sale of milk. Fines were imposed amounting to $110.

The samples of drugs found to be adulterated were Aqua Distillata, Acidum Tannicum, Calx Chlorata, Capsicum, Extractum Glycyrrhizae, Glycerinum, Sodii Phosphas, Spiritus Frumenti and Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Worcester, Cambridge, Somerville, New Bedford, Fall River, Springfield, Haverhill, Salem, Malden, Waltham, Chelsea, Brockton, Everett, Medford, Quincy, Winchester, Attleborough, North Attleborough, Woburn, Marlborough, Natick, Watertown, Hyde Park, Framingham, Abington, Dedham, Milford, Greenfield, Webster and Easton.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 26, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 4.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 26, 1901.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	260	72	73	42	8	8	22
Worcester,	118,421	33	10	6	4	1	..	1
Fall River,	104,863	38	13	8	5	..	..	..
Lowell,	94,969	38	11	5	7	..	1	1
Cambridge,	91,886	37	9	15	6	..	..	4
Lynn,	68,513	..	..	..	..	..	..	..
Lawrence,	62,559	21	7	2	3	..	..	..
New Bedford,	62,442	..	..	..	..	..	..	..
Springfield,	62,059	25	2	4	4	..	1	1
Somerville,	61,643	18	5	4	5	..	..	1
Holyoke,	45,712	..	..	..	..	..	..	..
Brockton,	40,063	9	3	4	2	..	..	2
Haverhill,	37,175	17	2	4	2	..	..	..
Salem,	35,956	11	1	2	1	1	..	..
Chelsea,	34,072	11	1	..	..	..	..	..
Malden,	33,664	8	5	2	2	..	..	1
Newton,	33,587	11	1	1	1	..	..	..
Fitchburg,	31,531	13	5	..	2	..	..	..
Taunton,	31,036	7	1	..	1	..	..	..
Gloucester,	26,121	6	3	2	..	..	..	..
Everett,	24,336	12	7	3	2	..	..	1
North Adams,	24,200	7	3	3	3	..	..	..
Quincy,	23,899	8	1	..	..	..	..	..
Waltham,	23,481	6	..	1	..	..	..	1
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	6	5	1	1	..	1	..
Northampton,	18,643	3	1	..	1	..	..	..
Medford,	18,244	7	1	1	1	..	1	..
Newburyport,	14,478	2	..	..	1	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	5	2	1	2	..	..	..
Clinton,	13,667	7	..	..	1	..	..	..
Marlborough,	13,609	2	..	..	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Revere,	10,395	7	..	7	..	2	..	5

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,678,500	635	171	149	99	12	12	40

Deaths from Prevalent Diseases in 29 Cities and Larger Towns of Massachusetts.

One hundred and forty-nine deaths were reported from the principal infectious diseases: scarlet fever, 12; diphtheria and croup, 40; typhoid fever, 12; cerebro-spinal meningitis, 7; measles, 4; whooping-cough, 4; erysipelas, 1; diarrhœal diseases, 8; puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 61 deaths from consumption, acute lung diseases, 99, still-births, 30 and influenza, 18.

From scarlet fever: Boston, 8; Revere, 2; Worcester and Salem, 1 each. From cerebro-spinal meningitis: Boston, Worcester and Somerville, 2 each; Gloucester, 1. From measles: Boston, 4. From whooping-cough: Boston and Cambridge, 2 each. From erysipelas: Boston, 1. From typhoid fever: Boston, 8; Lowell, Springfield, Chicopee and Medford, 1 each. From diarrhœal diseases: Fall River, 5; Worcester, Malden and North Adams, 1 each. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 171, as compared with 180 for the preceding week.

Deaths from the principal infectious diseases numbered 149, as compared with 124 for the preceding week.

The death rates for the week were Boston, 24.10; Worcester, 14.54; Fall River, 18.82; Lowell, 20.80; Cambridge, 20.91; Lynn, ——; Lawrence, 17.33; New Bedford, ——; Springfield, 20.96; Somerville, 15.09; Holyoke, ——; Brockton, 11.70; Haverhill, 23.89; Salem, 15.89; Chelsea, 16.82; Malden, 12.23; Newton, 16.82; Fitchburg, 21.12; Taunton, 11.74; Gloucester, 12.00; Everett, 26.00; North Adams, 15.17; Quincy, 17.33; Waltham, 13.57; Pittsfield, ——; Brookline, ——; Chicopee, 16.42; Northampton, 8.21; Medford, 20.22; Newburyport, 7.43; Woburn, ——; Beverly, 18.57; Clinton, 26.00; Marlborough, 7.43; Revere, 36.40.

The total death rate for the week was 19.68 as compared with 18.60 and 15.83 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Jan. 26, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	153	Measles,	152
Diphtheria and croup,	290	Typhoid fever,	32
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 26, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . Jan. 20,	30.47	13	29	—3	84	80	82	W.	S. W.	18	13	C.	O.		0.00
Monday, . . 21,	29.98	38	48	29	71	65	68	S. W.	S. W.	15	19	C.	O.		0.00
Tuesday, . . 22,	30.31	32	43	22	76	73	74	N.	N. E.	15	10	C.	C.		0.00
Wednesday, . 23,	30.32	26	34	17	92	78	85	N.	N.	10	10	O.	O.		0.00
Thursday, . . 24,	29.91	32	36	28	88	91	90	N.	W.	18	10	O.	C.		0.02
Friday, . . 25,	29.53	34	38	30	90	72	81	N.	N.	6	14	O.	C.		0.00
Saturday, . . 26,	29.85	30	36	24	81	76	78	N.	N. W.	15	12	C.	C.		0.00
Week, . . .															

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 2, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 5.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 2, 1901.

Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	243	58	63	48	9	6	14
Worcester,	118,421	54	15	13	8	..	..	..
Fall River,	104,863	29	9	6	5	..	..	..
Lowell,	94,969	30	11	9	6	..	1	1
Cambridge,	91,886	41	10	9	6	..	..	3
Lynn,	68,513	23	6	5	7	1	..	1
Lawrence,	62,559	21	4	3	3	..	..	..
New Bedford,	62,442	34	15	5	12	..	..	1
Springfield,	62,059	32	9	7	7	..	1	..
Somerville,	61,643	18	8	6	2	1	..	1
Holyoke,	45,712	23	13	6	5	1	..	..
Brockton,	40,063	10	1	2	6	..	..	..
Haverhill,	37,175	9	2	..	1	..	..	..
Salem,	35,956	18	4	2	..	1	1	..
Chelsea,	34,072	11	1	1	..	..	1	..
Malden,	33,664	9	4	2	2	..	..	1
Newton,	33,587	9	4	2	..	..	..	1
Fitchburg,	31,531	10	3	1	5	..	..	..
Taunton,	31,036	..	..	..	..	..	..	..
Gloucester,	26,121	7	2	2	..	..	..	..
Everett,	24,336	5	2	3	1	..	..	..
North Adams,	24,200	4	..	..	1	..	..	..
Quincy,	23,899	7	3	2	1	..	..	1
Waltham,	23,481	8	..	1	2	..	..	..
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	12	3	2	2	..	..	..
Northampton,	18,643	10	1	1	..	..	..	..
Medford,	18,244	9	3	2	2	..	..	2
Newburyport,	14,478	7	1	2	..	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	2	..	1	..	..	..	..
Marlborough,	13,609	3	1	..	1	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	7	..	..	2	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Revere,	10,395	3	..	3	..	..	..	3

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,823,209	708	193	161	135	13	10	29

Deaths from Prevalent Diseases in 31 Cities and Larger Towns of Massachusetts.

One hundred and sixty-one deaths were reported from the principal infectious diseases: scarlet fever, 13; diphtheria and croup, 29; typhoid fever, 10; cerebro-spinal meningitis, 9; measles, 1; whooping-cough, 5; erysipelas, 3; diarrhœal diseases, 11.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 80 deaths from consumption, acute lung diseases, 135, influenza, 22, and still-births, 32.

From scarlet fever: Boston, 9; Lynn, Somerville, Holyoke and Salem, 1 each. From cerebro-spinal meningitis: Boston, 1; Worcester, 4; Gloucester, 2; Lynn and Everett, 1 each. From measles: Boston, 1. From whooping-cough: Worcester, Lowell and Cambridge, 1 each; Somerville, 2. From erysipelas: Boston, 1; Worcester, 2. From typhoid fever: Boston, 6; Lowell, Springfield, Salem and Chelsea, 1 each. From diarrhœal diseases: Boston, 3; Fall River, 4; Lowell, Cambridge, Springfield and Quincy, 1 each.

Deaths under five years of age numbered 193, as compared with 171 for the preceding week.

Deaths from the principal infectious diseases numbered 161, as compared with 142 for the preceding week.

The death rates for the week were Boston, 22.53; Worcester, 23.79; Fall River, 14.36; Lowell, 16.42; Cambridge, 22.95; Lynn, 17.33; Lawrence, 17.33; New Bedford, 28.52; Springfield, 26.84; Somerville, 15.10; Holyoke, 26.00; Brockton, 13.00; Haverhill, 12.59; Salem, 26.00; Chelsea, 16.82; Malden, 13.76; Newton, 13.76; Fitchburg, 16.25; Taunton, ——; Gloucester, 14.00; Everett, 10.83; North Adams, 8.67; Quincy, 15.17; Waltham, 18.09; Pittsfield, ——; Brookline, ——; Chicopee, 32.84; Northampton, 27.37; Medford, 26.00; Newburyport, 26.00; Woburn, ——; Beverly, ——; Clinton, 7.43; Marlborough, 11.14; Melrose, 28.00; Revere, 15.60.

The total death rate for the week was 20.20 as compared with 19.68 and 18.60 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 2, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	109	Measles,	113
Diphtheria and croup,	282	Typhoid fever,	30
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Feb. 2, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . Jan. 27,	29.15	27	33	21	72	54	63	N. W.	W.	14	10		O.	O.			T.
Monday, . . 28,	29.06	26	30	22	66	63	64	W.	N. W.	12	15		F.	O.			0.00
Tuesday, . . 29,	29.64	23	28	18	51	48	50	W.	W.	20	12		O.	C.			T.
Wednesday, . 30,	29.96	23	29	17	68	87	78	S. E.	E.	3	12		O.	N.			0.01
Thursday, . . 31,	29.64	26	29	23	93	82	88	N.	N. W.	17	7		N.	N.			0.13
Friday, . Feb. 1,	29.89	24	32	17	67	61	64	W.	W.	12	12		C.	C.			0.01
Saturday, . . 2,	30.20	22	28	16	63	40	52	W.	W.	8	9		C.	C.			0.00
Week, . . .	29.65		30	19			66										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 9, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 6.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 9, 1901.

Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	215	40	41	49	1	1	7
Worcester,	118,421	45	9	14	10	3	2	1
Fall River,	104,863	42	14	6	7	..	..	..
Lowell,	94,969	36	8	10	7	..	..	1
Cambridge,	91,886	46	16	11	11	..	..	2
Lynn,	68,513	20	6	3	5	..	..	2
Lawrence,	62,559	24	12	1	5	..	..	..
New Bedford,	62,442	27	..	1	6	..	..	..
Springfield,	62,059	15	6	3	3	..	..	1
Somerville,	61,643	19	4	7	3	2	1	1
Holyoke,	45,712	13	5	4	1	..	..	1
Brockton,	40,063	13	2	1	3	..	..	..
Haverhill,	37,175	7	..	3	1	..	..	..
Salem,	35,956	10	..	1	1	..	1	..
Chelsea,	34,072	12	..	..	..	..	..	..
Malden,	33,664	7	4	6	..	4	..	2
Newton,	33,587	8	2	2	2	..	..	1
Fitchburg,	31,531	10	2	2	1	..	..	1
Taunton,	31,036	18	5	4	3	..	1	..
Gloucester,	26,121	..	..	..	..	..	..	..
Everett,	24,336	9	6	1	2	..	..	..
North Adams,	24,200	5	1	..	..	..	..	..
Quincy,	23,899	3	..	..	2	..	..	..
Waltham,	23,481	9	..	4	..	..	..	..
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	7	1	..	..	..	..	..
Chicopee,	19,167	7	2	1	1	..	..	..
Northampton,	18,643	..	..	..	..	..	..	..
Medford,	18,244	5	2	..	1	..	..	..
Newburyport,	14,478	3	1	..	2	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	3	1	2	..	..	..	..
Marlborough,	13,609	6	2	1	2	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	4	..	1	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Revere,	10,395	4	..	1	2	1	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,829,416	652	151	131	130	11	6	20

Deaths from Prevalent Diseases in 31 Cities and Larger Towns of Massachusetts.

One hundred and fifty-one deaths were reported from the principal infectious diseases: scarlet fever, 11; diphtheria and croup, 20; typhoid fever, 6; cerebro-spinal meningitis, 1; whooping-cough, 4; erysipelas, 4; diarrhœal diseases, 5; puerperal fever, 3.

No deaths were reported from small-pox, malarial fever and measles.

There were 77 deaths from consumption, acute lung diseases, 130, still-births, 37, and influenza, 7.

From scarlet fever: Boston and Revere, 1 each; Malden, 4; Worcester, 3; Somerville, 2. From cerebro-spinal meningitis: Boston, 1. From whooping-cough: Boston and Everett, 1 each; Cambridge, 2. From erysipelas: Boston and Lowell, 2 each. From typhoid fever: Boston, Somerville, Salem and Taunton, 1 each; Worcester, 2. From diarrhœal diseases: Boston and Fall River, 2 each; Holyoke, 1. From puerperal fever: Boston, 2; Worcester, 1.

Deaths under five years of age numbered 151, as compared with 193 for the preceding week.

Deaths from the principal infectious diseases numbered 131, as compared with 161 for the preceding week.

The death rates for the week were Boston, 19.93; Worcester, 19.83; Fall River, 20.80; Lowell, 19.70; Cambridge, 26.00; Lynn, 15.07; Lawrence, 19.81; New Bedford, 22.64; Springfield, 12.58; Somerville, 15.93; Holyoke, 14.69; Brockton, 16.90; Haverhill, 9.84; Salem, 14.44; Chelsea, 18.35; Malden, 10.71; Newton, 12.23; Fitchburg, 16.25; Taunton, 30.19; Gloucester, ——; Everett, 19.50; North Adams, 10.83; Quincy, 6.50; Waltham, 20.34; Pittsfield, ——; Brookline, 18.20; Chicopee, 19.16; Northampton, ——; Medford, 14.56; Newburyport, 11.14; Woburn, ——; Beverly, ——; Clinton, 11.14; Marlborough, 22.28; Hyde Park, ——; Melrose, 16.00; Revere, 20.80.

The total death rate for the week was 18.53 as compared with 20.20 and 19.68 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 9, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	100	Measles,	118
Diphtheria and croup,	228	Typhoid fever,	29
	Small-pox, 2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Feb. 9, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 3,	30.21	24	32	16	65	64		64	W.	N. W.	11	8		C.	F.			0.00
Monday, 4,	29.65	26	31	22	88	100		94	N. E.	N. W.	9	10		N.	N.			0.47
Tuesday, 5,	29.48	24	29	18	74	70		72	N. W.	N. W.	26	30		O.	O.			0.03
Wednesday, 6,	29.66	18	22	13	51	52		52	N. W.	N. W.	30	24		O.	C.			0.00
Thursday, 7,	29.77	18	26	10	54	49		52	N. W.	N. W.	26	15		C.	C.			0.00
Friday, 8,	29.91	20	26	13	51	41		46	W.	W.	14	11		C.	C.			0.00
Saturday, 9,	29.74	20	30	11	55	66		60	W.	W.	11	12		C.	F.			0.00
Week,	29.77		28	15				63										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 16, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 7.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 16, 1901.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	243	69	56	49	10	2	8
Worcester,	118,421	55	14	7	12	1	..	..
Fall River,	104,863	33	16	9	4	..	..	..
Lowell,	94,969	45	4	..	15	..	1	1
Cambridge,	91,886	27	9	6	11	..	..	2
Lynn,	68,513	..	..	..	..	..	..	..
Lawrence,	62,559	23	9	2	3	..	1	1
New Bedford,	62,442	29	13	1	8	..	..	..
Springfield,	62,059	25	5	3	8	..	..	..
Somerville,	61,643	20	6	5	5	..	1	..
Holyoke,	45,712	20	10	6	5	..	..	3
Brockton,	40,063	13	1	..	5	..	..	..
Haverhill,	37,175	28	4	4	3	..	..	..
Salem,	35,956	12	1	..	2	..	..	..
Chelsea,	34,072	11	..	..	..	..	..	1
Malden,	33,664	10	2	2	3	..	..	..
Newton,	33,587	14	1	7	..	..	..	1
Fitchburg,	31,531	17	2	..	8	..	..	1
Taunton,	31,036	9	3	..	2	..	..	..
Gloucester,	26,121	2	1	..	..	..	..	..
Everett,	24,336	6	3	2	1	..	..	..
North Adams,	24,200	15	2	5	..	..	..	..
Quincy,	23,899	10	5	7	..	..	..	3
Waltham,	23,481	7	2	1	2	..	1	..
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	7	3	1	1	..	..	1
Northampton,	18,643	..	..	..	..	..	..	..
Medford,	18,244	3	..	1	..	1	..	..
Newburyport,	14,478	5	..	..	1	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	5	1	2	1	..	..	..
Marlborough,	13,609	3	1	1	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Revere,	10,395	3	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,754,127	697	187	128	149	12	6	22

Deaths from Prevalent Diseases in 29 Cities and Larger Towns of Massachusetts.

One hundred and twenty-eight deaths were reported from the principal infectious diseases: scarlet fever, 12; diphtheria and croup, 22; typhoid fever, 6; cerebro-spinal meningitis, 6; whooping-cough, 5; erysipelas, 5; diarrhœal diseases, 9.

There were 73 deaths from consumption, acute lung diseases, 149, still-births, 41, and influenza, 10.

No deaths were reported from small-pox, puerperal fever, malarial fever or measles.

From scarlet fever: Boston, 10; Worcester, 1; Medford, 1. From cerebro-spinal meningitis: Worcester, 2; Everett, 2; Boston, 1; Fitchburg, 1. From whooping-cough: Boston, 2; Somerville, 2; Quincy, 1. From erysipelas: Boston, 4; Somerville, 1. From typhoid fever: Boston, 2; Lowell, Lawrence, Somerville and Waltham, 1 each. From diarrhœal diseases: Fall River, 6; Holyoke, Everett and Quincy, 1 each.

Deaths under five years of age numbered 187, as compared with 151 for the preceding week.

Deaths from the principal infectious diseases numbered 128, as compared with 131 for the preceding week.

The death rates for the week were Boston, 22.52; Worcester, 24.23; Fall River, 16.34; Lowell, 24.63; Cambridge, 15.26; Lynn, ——; Lawrence, 18.98; New Bedford, 24.32; Springfield, 20.96; Somerville, 16.76; Holyoke, 22.60; Brockton, 16.90; Haverhill, 39.35; Salem, 17.33; Chelsea, 16.82; Malden, 15.29; Newton, 21.41; Fitchburg, 27.62; Taunton, 15.09; Gloucester, 4.00; Everett, 13.00; North Adams, 32.50; Quincy, 21.66; Waltham, 15.82; Pittsfield, ——; Brookline, ——; Chicopee, 19.15; Northampton, ——; Medford, 8.66; Newburyport, 18.57; Woburn, ——; Beverly, ——; Clinton, 18.57; Marlborough, 11.14; Melrose, ——; Revere, 15.60.

The total death rate for the week was 20.66 as compared with 20.20 and 18.53 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 16, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	99	Measles,	111
Diphtheria and croup,	243	Typhoid fever,	13
		Small-pox,	1

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Feb. 16, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 10,	29.89	22	28	16	53	37		45	N. W.	N. W.	15	18		C.	C.			0.00
Monday, . . 11,	30.09	24	33	16	39	40		40	N. W.	W.	10	13		C.	C.			0.00
Tuesday, . . 12,	29.72	25	30	20	86	45		66	W.	N. W.	8	30		N.	C.			0.01
Wednesday, . 13,	29.43	16	22	11	48	53		50	N. W.	N. W.	27	18		C.	C.			0.00
Thursday, . . 14,	29.34	16	22	11	61	54		58	N. W.	N. W.	15	20		C.	C.			0.00
Friday, . . 15,	29.41	22	32	13	68	63		66	W.	N. W.	12	13		C.	O.			0.00
Saturday, . . 16,	29.57	34	41	26	65	64		64	N. W.	W.	10	13		O.	O.			0.00
Week, . . .	29.64		30	16				56										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of January, 1901.

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	280	244	524	Maple Syrup, . .	5	..	5
Butter, . . .	19	..	19	Canned Goods, .	..	..	..
Cheese, . . .	8	..	8	Honey, . . .	4	6	10
Lard, . . .	4	..	4	Tea, . . .	6	..	6
Olive Oil, . . .	..	..	..	Coffee, . . .	18	..	18
Vinegar, . . .	2	..	2	Cocoa, . . .	5	4	9
Spices, . . .	152	23	175	Confectionery, .	7	1	8
Cream of Tartar, .	36	1	37	Other articles of Food and Drinks,	10	4	14
Molasses, . . .	1	..	1	Drugs, . . .	33	25	58
Syrups, . . .	1	..	1				
Maple Sugar, . .	1	..	1				
				Totals, . .	592	308	900

Percentage of adulteration, 34.22. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 46.6 per cent., as compared with 34.9 per cent. for the preceding month, while the percentage of other articles of food found to be adulterated was 12.3.

Five complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs.

Two of these complaints were for violation of the statutes relative to the sale of milk. Fines were imposed amounting to $99.

The samples of drugs found to be adulterated were Acidum Tannicum, Extractum Glycyrrhizae, Glycerinum, Oleum Olivae, Sulphur Lotum, Tinctura ferri chloridi, Tinctura Iodi, Tinctura Opii.

Cities and towns from which samples of food were collected were Boston, Lowell, Cambridge, Somerville, Fall River, Brockton, Newton, Waltham, Brookline, Newburyport, Worcester, Holyoke, Haverhill, Salem, Everett, Malden, Chelsea, Revere, Attleborough, Weymouth, Barre, Stoughton, Hyde Park, Medford, Winchester, Amherst, Dudley, Webster and Littleton.

Weekly Bulletin

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OF

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FOR THE

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 23, 1901.

Deaths reported to the State Board of Health in 32 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	238	70	55	47	7	1	17
Worcester,	118,421	32	9	5	9	..	1	..
Fall River,	104,863	37	9	10	8	..	1	1
Lowell,	94,969	41	11	3	9	..	..	1
Cambridge,	91,886	26	8	5	9	..	1	2
Lynn,	68,513	31	5	6	4	..	..	1
Lawrence,	62,559	23	9	4	1	..	..	..
New Bedford,	62,442	35	15	8	13	2	..	1
Springfield,	62,059	24	3	1	6	1	..	..
Somerville,	61,643	24	7	8	10	..	..	3
Holyoke,	45,712	19	9	6	3	..	..	..
Brockton,	40,063	14	3	1	6	..	..	..
Haverhill,	37,175	14	1	4	3	..	1	..
Salem,	35,956	25	6	..	6	..	..	..
Chelsea,	34,072	8	3	1	..	..	..	..
Malden,	33,664	11	3	..	4	..	..	..
Newton,	33,587	8	1	..	2	..	..	..
Fitchburg,	31,531	7	1	2	1	..	..	..
Taunton,	31,036	15	6	2	3	1	..	..
Gloucester,	26,121	10	1	2	..	..	..	..
Everett,	24,336	6	..	..	1	..	..	..
North Adams,	24,200	7	2	1	4	..	..	..
Quincy,	23,899	9	2	3	1	..	..	2
Waltham,	23,481	7	..	3	1	..	..	..
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	6	3	2	1	..	..	..
Chicopee,	19,167	3	1	..	..	..	..	..
Northampton,	18,643	..	..	..	..	..	..	..
Medford,	18,244	7	1	..	2	..	..	..
Newburyport,	14,478	6	1	..	3	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	2	..	..	..	..	..	..
Marlborough,	13,609	5	1	..	1	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	3	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Revere,	10,395	3	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,855,537	706	191	132	158	11	5	28

Deaths from Prevalent Diseases in 32 Cities and Larger Towns of Massachusetts.

One hundred and thirty-two deaths were reported from the principal infectious diseases: scarlet fever, 11; diphtheria and croup, 28; typhoid fever, 5; cerebro-spinal meningitis, 12; whooping-cough, 3; erysipelas, 2; diarrhœal diseases, 7; measles, 4.

No deaths were reported from small-pox, malarial fever or puerperal fever.

There were 51 deaths from consumption, acute lung diseases, 158, still-births, 49, and influenza, 9.

From scarlet fever: Boston, 7; New Bedford, 2; Springfield and Taunton, 1 each. From cerebro-spinal meningitis: Worcester, 4; Lynn, 2; Boston, Somerville, Gloucester, Brookline, Lawrence, and Fitchburg, 1 each. From whooping-cough: Boston, Somerville and Holyoke, 1 each. From erysipelas: Holyoke and Newburyport, 1 each. From typhoid fever: Boston, Worcester, Fall River, Cambridge and Haverhill, 1 each.

Deaths under five years of age numbered 191, as compared with 187 for the preceding week.

Deaths from the principal infectious diseases numbered 132, as compared with 128 for the preceding week.

The death rates for the week were Boston, 22.04; Worcester, 14.10; Fall River, 18.30; Lowell, 22.46; Cambridge, 15.02; Lynn, 23.34; Lawrence, 18.98; New Bedford, 29.32; Springfield, 20.12; Somerville, 20.10; Holyoke, 21.48; Brockton, 18.20; Haverhill, 19.66; Salem, 36.14; Chelsea, 12.22; Malden, 16.80; Newton, 10.20; Fitchburg, 11.39; Taunton, 25.17; Gloucester, 19.97; Everett, 13.00; North Adams, 15.18; Quincy, 19.50; Waltham, 15.80; Brookline, 15.60; Chicopee, 8.21; Medford, 20.23; Newburyport, 22.26; Clinton, 7.46; Marlborough, 18.56; Melrose, 11.96; Revere, 15.60.

The total death rate for the week was 19.76 as compared with 18.53 and 20.66 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Feb. 23, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1898.)

Scarlet fever,	113	Measles,	121
Diphtheria and croup,	260	Typhoid fever,	22
Small-pox,	1		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Feb. 23, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 17,	29.60	32	36	29	78	63		70	N. W.	N. W.	9	12		C.	C.			T
Monday, . . 18,	29.62	34	40	27	77	62		70	W.	N. W.	6	10		F.	C.			0.00
Tuesday, . . 19,	29.55	34	40	27	76	58		67	W.	W.	10	12		C.	C.			0.00
Wednesday, . 20,	29.45	28	36	21	72	65		68	W.	W.	11	12		C.	O.			0.00
Thursday, . . 21,	29.75	22	27	17	64	44		54	W.	W.	12	17		O.	C.			T
Friday, . . 22,	29.86	23	30	16	59	48		54	W.	S. W.	9	12		C.	F.			0.00
Saturday, . . 23,	29.97	22	30	14	74	44		59	W.	N. E.	11	6		C.	O.			T
Week, . . .	29.69		34	22				63										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 2, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 9.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 2, 1901.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	240	67	61	40	7	..	10
Worcester,	118,421	32	6	3	3	..	..	1
Fall River,	104,863	..	..	..	..	..	..	..
Lowell,	94,969	39	9	5	7	1	..	1
Cambridge,	91,886	30	7	9	5	..	..	2
Lynn,	68,513	29	6	2	5	..	..	..
Lawrence,	62,559	30	15	1	8	..	..	..
New Bedford,	62,442	26	8	1	8	..	..	..
Springfield,	62,059	25	3	5	5	..	..	..
Somerville,	61,643	17	8	3	4	1	..	..
Holyoke,	45,712	17	5	7	1	..	..	2
Brockton,	40,063	10	1	1	..	..	..	..
Haverhill,	37,175	10	2	..	2	..	..	..
Salem,	35,956	23	6	2	5	..	..	..
Chelsea,	34,072	9	1	..	..	..	..	..
Malden,	33,664	8	2	1	1	..	..	..
Newton,	33,587	7	1	..	3	..	..	..
Fitchburg,	31,531	8	2	..	2	..	..	..
Taunton,	31,036	..	..	..	..	..	..	..
Gloucester,	26,121	10	2	..	..	..	..	..
Everett,	24,336	10	2	2	..	..	..	..
North Adams,	24,200	9	2	3	..	..	..	..
Quincy,	23,899	7	1	1	2	..	..	..
Waltham,	23,481	7	..	2	1	..	..	1
Pittsfield,	21,766	7	..	5	2	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	7	3	1	2	..	..	..
Northampton,	18,643	..	..	..	..	..	..	..
Medford,	18,244	3	..	..	1	..	..	..
Newburyport,	14,478	14	5	1	5	..	..	..
Woburn,	14,254	4	1	1	1	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	4	2	..	2	..	..	..
Marlborough,	13,609	4	1	1	1	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Revere,	10,395	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,698,757	646	168	118	116	9	0	17

Deaths from Prevalent Diseases in 29 Cities and Larger Towns of Massachusetts.

One hundred and eighteen deaths were reported from the principal infectious diseases: scarlet fever, 9; diphtheria and croup, 17; cerebro-spinal meningitis, 4; whooping-cough, 10; erysipelas, 3; diarrhœal diseases, 2; measles, 1; puerperal fever, 1.

No deaths were reported from typhoid fever, malarial fever or small-pox.

There were 67 deaths from consumption, acute lung diseases, 116, still-births, 38, and influenza, 3.

From scarlet fever: Boston, 17; Lowell, 1; Somerville. 1. From diphtheria and croup; Boston, 10; Cambridge, 2; Holyoke, 2; Worcester, 1; Lowell, 1; Waltham, 1. From cerebro-spinal meningitis: Boston and Worcester, 1 each; Pittsfield, 2. From whooping-cough: Boston, 4; Springfield, 2; Pittsfield, 2; Cambridge and Holyoke, 1 each. From erysipelas: Boston, 3. From diarrhœal diseases: Boston and Somerville, 1 each. From measles: Boston, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 168, as compared with 191 for the preceding week.

Deaths from the principal infectious diseases numbered 118, as compared with 132 for the preceding week.

The death rates for the week were Boston, 22.25; Worcester, 14.09; Lowell, 21.32; Cambridge, 16.95; Lynn, 21.84; Lawrence, 24.75; New Bedford, 21.79; Springfield, 20.95; Somerville, 14.25; Holyoke, 19.20; Brockton, 13.00; Haverhill, 14.04; Salem, 33.23; Chelsea, 13.78; Malden, 12.22; Newton, 10.41; Fitchburg, 13.00; Gloucester, 19.96; Everett, 21.63; North Adams, 19.50; Quincy, 15.18; Waltham, 15.80; Pittsfield, 7.07; Chicopee, 19.13; Medford, 8.68; Newburyport, 52.00; Woburn, 14.87; Clinton, 14.87; Marlborough, 14.87.

The total death rate for the week was 19.76 as compared with 20.66 and 19.76 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 2, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	101	Measles,	122
Diphtheria and croup,	237	Typhoid fever,	23
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 2, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . Feb. 24,	29.67	22	28	17	84	48	66	N. W.	W.	14	12	O.	C.			0.14
Monday, . . 25,	29.95	26	38	14	57	56	56	S. W.	S. W.	13	15	O.	O.			0.00
Tuesday, . . 26,	29.73	36	47	25	66	48	57	S. W.	W.	14	14	O.	O.			0.00
Wednesday, . 27,	29.93	24	29	19	56	52	54	W.	W.	17	16	C.	C.			0.00
Thursday, . . 28,	30.19	20	27	13	46	45	46	W.	W.	11	15	C.	C.			0.00
Friday, . March 1,	29.91	30	42	19	51	58	54	S. W.	S. W.	12	24	F.	O.			T
Saturday, . . 2,	29.76	38	45	30	63	70	66	S. W.	N.	8	14	O.	O.			0.12
Week, . . .	29.98		37	20			57									

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

SANITARY NOTES.

In the Weekly Bulletin of November 10, a general statement of the death rate of the State was given for the census years 1865–95, and for the years 1896, 1897, 1898 and 1899.

On analyzing these figures more minutely, the diminution in the death rate of the past four years appears chiefly in the group of diseases known as infectious, or preventable, most of which are amenable to the controlling influence of sanitary work as shown in the operations of boards of health.

This diminution in the mortality from infectious diseases has been continuous, with a fairly uniform rate for a long period, as is shown by the following figures, which present the combined death rate from eight of the principal infectious diseases, including a period of forty years from 1856 to 1895.

DECREASE IN THE DEATH RATE FROM SCARLET FEVER, MEASLES, SMALLPOX, DIPHTHERIA AND CROUP, TYPHOID FEVER, DYSENTERY, CONSUMPTION AND WHOOPING COUGH.

Death Rates per 10,000 of the Population, in Five-year Periods.

1856–60, . .	73.3	1881–85, . .	52.8
1861–65, . .	82.1	1886–90, . .	45.0
1866–70, . .	62.7	1891–95, . .	37.9
1871–75, . .	66.6	1896–99, . .	31.2
1876–80, . .	60.8		

Copies of the law relating to the sale of fabrics containing arsenic which was enacted at the last session of the Legislature have been distributed throughout the State to parties selling and manufacturing such fabrics, and a disposition to comply with its provisions is quite manifest. The discussion of earlier years upon this subject had already given rise to a great improvement in this class of articles.

The examinations of this character which have been conducted by the Board, have required the employment of improved and careful methods for the determination of arsenic and have also led to similar inquiries in other directions. For example, the recent occurrence of arsenic poisoning in Manchester, England, among beer drinkers, has led the Board to make examinations of beer in use here, with the result that no arsenic was found in any of the samples obtained, while in the glucose, which often enters into the composition of beer, mere traces only were found.

Among drugs, however, glycerine and phosphate of soda are found occasionally to contain arsenic in greater quantities than can be deemed safe, especially in drugs which are used internally.

Out of 173 samples of glycerine examined during the past year, 115 contained arsenic in proportions varying from a mere trace up to 8 parts per 100,000.

In twenty-six samples of phosphate of soda examined, thirteen or one-half contained more than a trace. One sample contained a dangerous amount, .05 of one per cent of arsenic, or 50 parts per 100,000.

In the examination of food and drugs great improvement is shown over the conditions which prevailed before general inspection was undertaken by the Board, but the same observation applies here as elsewhere, namely, that constant vigilance is necessary to prevent not only the recurrence of old and well-known forms of adulteration, but also the frequent introduction of new methods.

By far the greater number of adulterations are of a commercial and not of an injurious character. Foremost among adulterations is that of milk, which is accomplished with much ease and with so little expense as to render it a matter of frequent occurrence among dishonest producers and venders.

An inspection of milk at Lowell last month led to the introduction of 18 complaints at court against 11 persons and the consequent conviction of the offenders in each of the cases. The milk in these cases was quite generally watered and colored, the color consisting of aniline dye, and this was undoubtedly employed for the purpose of concealing fraud, as is usually the case.

The rapidly increasing demand for assistance from local authorities, which has been produced by the establishment of a bacteriological department by the Board, has made it necessary to place this department of work under careful regulations, hence the circular which was issued in 1896 has been revised and reissued in the following form. It will be noted that the examination of blood for the detection of typhoid fever has been added to the work hitherto performed at the laboratory.

A CIRCULAR

TO

Local Boards of Health and Physicians.

OFFICE OF THE STATE BOARD OF HEALTH,
141 STATE HOUSE,
BOSTON, Feb. 1, 1901.

In the fall of 1894 the State Board of Health initiated a new department, by means of which it was hoped that the important work of assisting the local authorities in the management and control of infectious diseases might be more successfully conducted. The results of these operations during the past six years or more indicate a measure of success which justifies their continuance. It is evident, however, from the experience which has been gained, that very much greater care must be taken by the local authorities, and especially by private physicians, in making use of the privileges afforded by the State Board, in order to secure the best results. The service which the board offers is gratuitous, and it is expected that physicians and local authorities will co-operate with the board in order to effect the greatest possible common good.

The board has therefore deemed it necessary to formulate the following rules and instructions in regard to this department of work: —

1. Diphtheria Antitoxin. — Antitoxin is furnished gratuitously to local boards of health for distribution to physicians, who are expected to use it in the treatment of persons who are unable to pay for it. It is issued *conditionally*, and the physicians using it must in each and every case return a full statement of the case upon a blank form, to be furnished by the State board. *This rule must invariably be complied with*, and since the distribution is largely made through the agency of the local boards of health, such boards should secure an agreement from each physician using the antitoxin that a return shall be made to the board in regard to its use. If this rule is not complied with, the board will withhold future supplies from such local boards as fail to secure the required compliance.

The large demand for it makes the greatest economy in its use imperative. Hence it should not be kept in physicians' offices, but must be under the charge of the local board of health, who may as a matter of convenience place it in some designated drug store as a place of distribution.

Local boards should exercise care in the storage and distribution of antitoxin. It should be kept in a dark place and at a uniform and low temperature. A refrigerator properly supplied with ice furnishes a good place for storage.

If antitoxin remains in the hands of local boards or their agents more than four months from the time of its receipt, the State board should be notified and a new supply obtained.

The contents of a bottle, either as a whole or in part, should not be used under any circumstances after 24 hours have elapsed from the time of opening the bottle.

The antitoxin furnished by the State board must not be sold nor made a subject of charge in any bill.

Physicians of boards of health are not to use antitoxin supplied by the State, in private practice, to the exclusion of other physicians. It is desirable that all hospitals and public institutions using large quantities of antitoxin should return the empty bottles to the State Board of Health.

2. The use of diphtheria culture tubes. — These tubes are prepared at the laboratory of the board, and are sent to local boards to be deposited at such places as may be designated. After inoculation they should be forwarded promptly to the State board, and care should be taken that they may reach the office of the board before 5 P.M., at which time the State offices are closed. On Saturdays they should reach the State House as early as 1.00 P.M. Full directions for use accompany each tube.

No tube should be used which has become dried, or in which the serum does not present a smooth and uniform surface.

Tubes sent by mail will not be received by the Board. This method of transmission is a violation of the postal regulations, and renders the sender liable to a severe penalty.

Cultures are as a rule required by local boards of health for the purpose of releasing patients from quarantine, and the board will make such examinations as are necessary, but not oftener than once a week for each case.

Physicians are requested to fill all the blanks carefully, and to state the clinical diagnosis in each case.

Misuse of culture tubes. — The culture tubes furnished by the State Board of Health are not to be taken out of the State, nor out of the cities and towns in which they are deposited, except in cases where no deposit has been made in the towns where they are taken for use.

The culture tubes and the boxes containing them, issued by the board, must not be used to send cultures to any laboratory except that of the State Board of Health.

3. Examination of sputum and other material suspected to contain bacilli of tuberculosis. — All such material should be forwarded in the receptacles provided by the State Board. *None other will be received for examination. Leaky receptacles endanger all persons who handle them.* The material needed for examination is the sputum, and the sputum should be that which is coughed up, and should not consist of vomited matter.

A blank form accompanies each package, and the form should invariably be filled at the time of sending the specimen. All the particulars asked for in the blank form should be supplied.

Any material sent by mail will be rejected. (See diphtheria instructions, 2.) Full directions accompany each package.

4. Examination of blood for the detection of malarial infection. — On application cover glasses will be sent to any part of the State for the collection of blood specimens, with instructions for their use.

5. Examination of blood for the detection of typhoid fever. — Appliances for the collection of blood for suspected cases of typhoid fever will also be sent on application.

All expenses for transmission and telegraph and telephone charges must be paid by the local authorities.

The examinations required for diagnosis of the cultures and the material alluded to in this circular will be made gratuitously by the Board's pathologist, if the conditions of transmission are complied with, but not otherwise.

The secretary of the board will answer all inquiries which may be made in regard to any of the foregoing matters.

By order of the board,

SAM'L W. ABBOTT,
Secretary.

Advice to Cities, Towns and Other Authorities, relative to Water Supply, Sewerage, the Pollution of Streams, and Other Kindred Topics, under the Provisions of Chapter 375 of the Acts of 1888.

At the monthly meeting of the Board, Feb. 7, 1901, letters of advice were authorized to be sent to the following parties:—

The Wakefield Sewer Commissioners.
The Sewer Committee of Reading.
The Principal of the State Normal School at Hyannis, relative to the disposal of the sewage of the school.
The Board of Health of Bridgewater.
The Selectmen of Harwich.
The Water Board of Attleboro'.
To H. E. Gaylord of South Hadley, relative to an ice supply.
To the Trustees of the Westboro' Insane Hospital.
To the Board of Health of Chicopee.
To certain Petitioners from Cambridge, Arlington, Somerville and Belmont relative to the region about Alewife brook.
The Water Board of West Springfield.
The Board of Health of Warren.

Applications for the advice of the Board were also received from the following parties and were referred to the committee on Water Supply and Sewerage:—

Walpole; Melrose; The Riverside Collar Company of Cambridge; Northampton; Norwood; Fitchburg and Dedham.

At the monthly meeting, March 7, letters of advice were authorized to be sent to the following parties:—

The Water Board of West Springfield.
The Sewer Committee of Norwood.
The Sewer Commissioners of Dedham.
The Water Commissioners of Natick.

Applications for advice were received from the following parties and were referred to the committee on Water Supply and Sewerage:—

The Water Commissioners of Reading.
From the Somerville Foundry Co. and
The Randall Hall Association of Cambridge, relative to water supplies.
From parties in Walpole, Melrose and Danvers, relative to ice supplies; and from the Board of Public Works of Pittsfield, relative to sewage disposal.

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FOR THE

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MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 9, 1901.

Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

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				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
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Lynn,	68,513	..	..	..	..	..	..	..
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Fitchburg,	31,531	11	4	2	5	..	1	1
Taunton,	31,036	13	2	3	1	..	..	2
Gloucester,	26,121	8	2	3	1	1	..	..
Everett,	24,336	8	4	2	..	..	..	..
North Adams,	24,200	8	3	..	..	..	..	..
Quincy,	23,899	7	2	2	1	..	..	1
Waltham,	23,481	12	3	2	3	..	..	1
Pittsfield,	21,766	9	..	4	2	..	..	2
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	11	5	2	2	..	..	1
Northampton,	18,643	..	..	..	..	..	..	..
Medford,	18,244	7	1	1	1	..	..	..
Newburyport,	14,478	9	2	..	3	..	..	..
Woburn,	14,254	6	1	2	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	4	2	..	..	..	..	..
Marlborough,	13,609	3	1	..	1	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Revere,	10,395	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,779,752	685	194	129	131	8	3	26

Deaths from Prevalent Diseases in 30 Cities and Larger Towns of Massachusetts.

One hundred and twenty-nine deaths were reported from the principal infectious diseases: scarlet fever, 8; typhoid fever, 3; diphtheria and croup, 26; cerebro-spinal meningitis, 5; whooping-cough, 3; puerperal fever, 1; diarrhœal diseases, 10; measles, 2.

No deaths were reported from small-pox or malarial fever.

There were 71 deaths from consumption, acute lung diseases, 131, still-births, 32, and influenza, 6.

From scarlet fever: Boston, 6; Haverhill and Gloucester, 1 each. From typhoid fever: Worcester, Chelsea and Fitchburg, 1 each. From diphtheria and croup: Boston, 9; Lowell, Taunton and Pittsfield, 2 each; Worcester, Fall River, Cambridge, Lawrence, New Bedford, Haverhill, Salem, Fitchburg, Quincy, Waltham and Chicopee, 1 each. From cerebro-spinal meningitis: Worcester, Haverhill, Gloucester, Everett and North Adams, 1 each. From whooping-cough: Boston, 2; Cambridge, 1. From puerperal fever: Holyoke, 1. From diarrhœal diseases: Boston, 6; Fall River, 4. From measles: Boston, 2.

Deaths under five years of age numbered 194, as compared with 168 for the preceding week.

Deaths from the principal infectious diseases numbered 129, as compared with 118 for the preceding week.

The death rates for the week were Boston, 22.04; Worcester, 20.13; Fall River, 20.33; Lowell, 18.04; Cambridge, 9.62; Lawrence, 19.81; New Bedford, 28.55; Springfield, 12.85; Somerville, 18.46; Holyoke, 19.24; Brockton, 10.40; Haverhill, 30.94; Salem, 20.23; Chelsea, 12.32; Malden, 24.44; Newton, 21.42; Fitchburg, 17.89; Gloucester, 16.01; Everett, 17.32; North Adams, 17.32; Quincy, 15.18; Waltham, 27.14; Pittsfield, 21.27; Chicopee, 30.11; Medford, 20.20; Newburyport, 33.43; Woburn, 22.31; Clinton, 14.87; Marlboro, 11.13.

The total death rate for the week was 20.02, as compared with 19.76 and 19.76 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 9, 1901.

(Under the Provisions of Chapter 802 of the Acts of 1898.)

Scarlet fever,	107	Measles,	158
Diphtheria and croup,	230	Typhoid fever,	23
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 9, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 3,	30.15	29	37	21	63	68	66	N.	S.	13	16		C.	O.			0.00
Monday, 4,	29.92	42	50	35	72	60	66	W.	S.	12	11		O.	O.			0.22
Tuesday, 5,	29.63	34	45	22	89	60	74	W.	W.	7	12		O.	O.			0.16
Wednesday, 6,	30.05	16	22	11	56	44	50	W.	W.	16	16		C.	C.			0.00
Thursday, 7,	30.28	20	32	9	39	60	50	S. W.	S. W.	13	14		C.	C.			0.00
Friday, 8,	30.16	38	48	29	69	68	68	S. W.	S.	12	8		C.	O.			0.00
Saturday, 9,	29.88	43	47	39	74	100	87	S. W.	W.	14	11		R.	R.			0.30
Week,	30.01		40	24			66										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Food

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 16, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 11.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 16, 1901.

Deaths reported to the State Board of Health in 32 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	238	77	43	60	5	..	13
Worcester,	118,421	40	16	2	11	..	..	..
Fall River,	104,863	13	..	8	5	..	1	..
Lowell,	94,969	30	9	7	7	..	2	..
Cambridge,	91,886	29	6	4	2	..	..	..
Lynn,	68,513	14	4	1	3	..	..	..
Lawrence,	62,559	20	8	2	6	..	..	..
New Bedford,	62,442	27	6	1	1	..	..	..
Springfield,	62,059	28	11	1	6	..	..	..
Somerville,	61,643	16	4	3	7	..	..	1
Holyoke,	45,712	12	9	3	4	..	..	2
Brockton,	40,063	8	2	1	2	1	..	..
Haverhill,	37,175	8	..	1	4	..	..	..
Salem,	35,956	11	5	2	1	..	..	1
Chelsea,	34,072	15	2	1	1	..	..	..
Malden,	33,664	19	6	2	5	..	..	..
Newton,	33,587	11	4	1	1	..	..	..
Fitchburg,	31,531	12	5	2	2	..	..	1
Taunton,	31,036	..	..	..	..	..	..	..
Gloucester,	26,121	5	3	1	..	..	..	..
Everett,	24,336	14	4	3	1	..	..	..
North Adams,	24,200	9	4	1	..	..	..	..
Quincy,	23,899	7	1	1	3	..	..	..
Waltham,	23,481	10	2	2	1	..	..	..
Pittsfield,	21,766	4	..	3	1	..	..	2
Brookline,	19,935	6	..	1	1	..	..	..
Chicopee,	19,167	7	4	1	1	..	..	..
Northampton,	18,643	..	..	..	..	..	..	..
Medford,	18,244	4	2	..	..	..	..	..
Newburyport,	14,478	13	4	1	2	..	1	..
Woburn,	14,254	3	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	6	2	1	2	..	..	..
Marlborough,	13,609	6	..	..	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Milford,	11,376	..	..	..	..	..	..	..
Attleborough,	11,335	1	..	..	..	..	..	..
Revere,	10,395	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,834,615	646	200	100	140	6	4	20

Deaths from Prevalent Diseases in 32 Cities and Larger Towns of Massachusetts.

One hundred deaths were reported from the principal infectious diseases: scarlet fever, 6; diphtheria and croup, 20; typhoid fever, 4; measles, 3; cerebro-spinal meningitis, 10; whooping-cough, 6; erysipelas, 2; puerperal fever, 1; diarrhœal diseases, 1.

No deaths were reported from small-pox or malarial fever.

There were 46 deaths from consumption, acute lung diseases, 140, still-births, 33, and influenza, 1.

From scarlet fever: Boston, 5; Brockton, 1. From diphtheria and croup: Boston, 13; Holyoke and Waltham, 2 each; Somerville, Salem, Fitchburg, 1 each. From typhoid fever: Lowell, 2; Fall River and Newburyport, 1 each. From measles: Boston, 2; Lawrence, 1. From cerebro-spinal meningitis: Boston and Somerville, 2 each; Lowell, Gloucester, Everett, North Adams, Clinton and Fitchburg, 1 each. From whooping-cough: Boston, Worcester, Chelsea, Malden, Chicopee and Springfield, 1 each. From erysipelas: Boston, 2.

Deaths under five years of age numbered 200, as compared with 194 for the preceding week.

Deaths from the principal infectious diseases numbered 100, as compared with 129 for the preceding week.

The death rates for the week were Boston, 22.05; Worcester, 17.63; Fall River, 6.45; Lowell, 16.38; Cambridge, 16.38; Lynn, 10.73; Lawrence, 16.47; New Bedford, 22.78; Springfield, 23.50; Somerville, 13.41; Holyoke, 13.57; Brockton, 20.00; Haverhill, 11.23; Salem, 15.91; Chelsea, 22.93; Malden, 29.06; Newton, 17.32; Fitchburg, 19.50; Gloucester, 9.98; Everett, 30.31; North Adams, 19.50; Quincy, 15.13; Waltham, 22.62; Pittsfield, 9.41; Brookline, 15.60; Chicopee, 19.14; Medford, 11.54; Newburyport, 48.25; Woburn, 11.12; Clinton, 22.32; Marlborough, 22.35; Attleborough, 4.72.

The total death rate for the week was 18.30, as compared with 20.02 and 19.76 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 16, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever, ...	120	Measles, ...	148
Diphtheria and croup, ...	209	Typhoid fever, ...	19
Small-pox, ...	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 16, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 10,	30.38	34	39	30	79	68		74	N. E.	E.	18	21		O.	O.			0.01
Monday, . . 11,	29.61	40	48	32	100	93		96	E.	N. W.	24	14		R.	*O.			1.94
Tuesday, . . 12,	29.65	38	42	34	67	72		70	W.	W.	20	14		O.	C.			0.00
Wednesday, . 13,	29.96	37	43	31	51	66		58	N. W.	E.	16	6		C.	O.			0.00
Thursday, . . 14,	29.82	34	38	31	91	79		85	N. E.	N. E.	12	8		N.	O.			0.14
Friday, . . 15,	29.82	32	35	30	78	79		78	N.	N. E.	6	5		O.	N.			T
Saturday, . . 16,	29.90	34	38	31	83	95		89	N.	N. W.	6	6		O.	N.			T
Week, . . .	29.88		40	31				78										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain: T. = Threatening; N. = Snow.
* G. during day.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of February, 1901.

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	189	197	386	Maple Syrup, . .	4	2	6
Butter, . . .	15	..	15	Canned Goods, .	..	..	..
Cheese, . . .	8	..	8	Honey, . . .	1	4	5
Lard, . . .	6	..	6	Tea, . . .	6	..	6
Olive Oil, . . .	..	..	..	Coffee, . . .	16	..	16
Vinegar, . . .	1	1	2	Cocoa & Chocolate,	7	6	13
Spices, . . .	133	18	151	Confectionery, .	4	..	4
Cream of Tartar, .	33	..	33	Other articles of Food and Drinks,	43	18	61
Molasses, . . .	4	..	4	Drugs, . . .	15	20	35
Syrups, . . .	1	2	3				
Maple Sugar, . .	1	..	1				
				Totals, . .	487	268	755

Percentage of adulteration, 35.49. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 51.0 per cent., as compared with 46.6 per cent. for the preceding month, while the percentage of other articles of food found to be adulterated was 15.2.

Sixteen complaints were entered in the courts during the month for violation of the laws relative to the inspection of milk. Fines were imposed amounting to $307.00. Three samples of cheese were made from skimmed milk, but were not classed as adulterated, there being no standard for fat. Under "Miscellaneous" are included 24 samples of beer and ale, 8 of which contained salicylic acid; they were examined for arsenic, several samples contained arsenic, but in very minute traces only.

Fifteen samples of Lemon Extract were examined, of these 9 were below the standard, 6 of them contained no Oil of Lemon whatever.

The samples of drugs found to be adulterated were Capsicum, Extractum Glycyrrhizae, Glycerinum, Oleum Olivae, Syrupus and Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Worcester, Lowell, Cambridge, Somerville, Clinton, Newton, Waltham, Medway, Leominster, Barre, Franklin, Westwood, Brookline, Ware, Lawrence, Winchester, Medford, Malden, New Bedford, Woburn and Everett.

NOTES ON SPECIAL ARTICLES.

In the last report of the Board a list of various brands of Extract of Vanilla was published, showing that the sale of this article is extremely subject to commercial frauds.

The following list shows a similar condition in regard to the Extract of Lemon: —

Lion Brand,	Highland Extract Co., Boston.
Royal Worcester,	Royal Worcester Mfg. Co., Boston.
Nickel Brand,	U. S. Nickel, Philadelphia.
Ginter's,	Ginter Grocery Co.
Empress Brand,	Boston.
Dalton's,	Jas. H. Dalton Co., Boston.
French's Genuine,	R. T. French Co., Rochester, N. Y.
Thorpe's,	T. D. Thorpe, Chelsea.
Sterling Pure Concentrated,	Sterling Extract Co., Cambridgeport.
Baker's "Williams" Brand,	W. P. Baker, New York.
Best Concentrated,	W. P. Baker, New York.
Elmo Concentrated,	Elmo Extract Co., Somerville.
Connor Brand,	John T. Connor, Boston.

The last named "Connor Brand" bore the following remarkable label: —

"All extracts bearing our name are guaranteed absolutely pure, and will comply with all requirements of food laws."

Not one of the foregoing extracts contained any Oil of Lemon, and most of them were colored with aniline dyes and were deficient in alcohol strength. They were also purchased in open market as pure goods. Several other brands which bore no name or address were also found to be of a fraudulent character.

Several samples of a remedy used for the treatment of asthma have been sent to the office for examination by persons who had used it, and were found to contain cocaine. These samples were labelled,

"Specific for Asthma, Hay Fever and all Catarrhal Diseases of the Respiratory organs," and bore the name of N. Tucker, M.D., Mt. Gilead, Ohio.

There is danger in the frequent use of any article which contains cocaine, on account of the liability of forming an incurable habit, which may prove a more serious danger to the patient than the disease which it is intended to cure.

The following statement in regard to such remedies appears in the United States Dispensatory: —

"The habitual use of cocaine 'readily grows upon the individual, and the inveterate user can be recognized by his uncertain step, general apathy, sunken eyes, trembling lips, fetid breath, etc. Incurable insomnia is apt to be developed, emaciation becomes extreme, dropsy appears and even death results. Poisoning and death have resulted, both from its internal administration and its local use.'"

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 23, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 12.

Entered at the post-office at Boston as second-class matter.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 23, 1901.

Deaths reported to the State Board of Health in 34 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.
Boston,	560,892	222	56	58	40	4	..	14
Worcester,	118,421	35	14	3	11	..	..	..
Fall River,	104,863	29	11	8	2	..	..	..
Lowell,	94,969	31	12	6	8	..	1	1
Cambridge,	91,886	31	9	7	4	..	..	1
Lynn,	68,513	..	..	..	..	..	..	..
Lawrence,	62,559	23	10	..	4	..	..	..
New Bedford,	62,442	20	9	4	3	..	..	1
Springfield,	62,059	19	5	3	3	..	..	..
Somerville,	61,643	19	4	4	5	..	..	1
Holyoke,	45,712	17	8	2	6	..	..	1
Brockton,	40,063	13	3	2	3	2	..	..
Haverhill,	37,175	16	3	5	1	..	1	1
Salem,	35,956	13	3	..	5	..	..	..
Chelsea,	34,072	10	2	2	..	..	..	..
Malden,	33,664	13	5	3	2	..	2	1
Newton,	33,587	12	2	1	..	..	..	..
Fitchburg,	31,531	11	3	1	4	..	..	..
Taunton,	31,036	11	2	1	1	..	..	..
Gloucester,	26,121	7	1	1	..	..	..	..
Everett,	24,336	9	3	2	2	..	..	1
North Adams,	24,200	6	3	1	2	..	..	..
Quincy,	23,899	5	3	..	1	..	..	..
Waltham,	23,481	8	2	1	1	..	..	..
Pittsfield,	21,766	4	..	1	..	..	..	1
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	9	5	4	..	..	2	2
Northampton,	18,643	..	..	..	..	..	..	..
Medford,	18,244	6	1	2	3	1	..	..
Newburyport,	14,478	..	..	..	..	..	..	..
Woburn,	14,254	3	2	1	..	..	..	..
Beverly,	13,884	5	1	2	2	..	..	..
Clinton,	13,667	8	3	..	3	..	..	..
Marlborough,	13,609	5	1	1	1	..	..	..
Hyde Park,	13,244	5	1	..	2	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Attleborough,	11,376	4	..	..	1	..	..	..
Weymouth,	11,335	5	1	..	..	..	..	..
Revere,	10,395	6	4	1	1	1	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.
Total of reporting towns, ..	1,825,456	640	188	127	121	7	6	25

Deaths from Prevalent Diseases in 34 Cities and Larger Towns of Massachusetts.

One hundred and twenty-seven deaths were reported from the principal infectious diseases: scarlet fever, 8; typhoid fever, 2; diphtheria and croup, 26; cerebro-spinal meningitis, 3; whooping-cough, 6; puerperal fever, 1; erysipelas, 3; diarrhœal diseases, 5.

No deaths were reported from small-pox, measles or malarial fever.

There were 73 deaths from consumption, acute lung diseases, 121, still-births, 29, and influenza, 2.

From scarlet fever: Boston, 4; Brockton, 2; Medford and Revere, 1 each. From typhoid fever: Boston, 2. From diphtheria and croup: Boston, 14; Chicopee, 2; Lowell, Cambridge, New Bedford, Springfield, Somerville, Holyoke, Haverhill, Malden, Everett and Pittsfield, 1 each. From cerebro-spinal meningitis: Worcester, New Bedford and Medford, 1 each. From erysipelas: Boston, 3. From diarrhœal diseases: Boston and Fall River, 2 each; Lowell, 1.

Deaths under five years of age numbered 188, as compared with 200 for the preceding week.

Deaths from the principal infectious diseases numbered 127, as compared with 100 for the preceding week.

The death rates for the week were Boston, 20.59; Worcester, 15.39; Fall River, 14.35; Lowell, 16.95; Cambridge, 17.42; Lawrence, 18.98; New Bedford, 16.74; Springfield, 15.90; Somerville, 15.90; Holyoke, 19.19; Brockton, 16.90; Haverhill, 22.46; Salem, 18.77; Chelsea, 15.28; Malden, 18.75; Newton, 18.35; Fitchburg, 17.89; Taunton, 18.46; Gloucester, 13.99; Everett, 19.45; North Adams, 13.00; Quincy, 10.81; Waltham, 18.10; Pittsfield, 9.46; Chicopee, 24.65; Medford, 17.32; Woburn, 11.13; Beverly, 17.52; Clinton, 29.69; Marlborough, 17.52; Hyde Park, 19.97; Attleborough, 18.88; Weymouth, 23.60; Revere. 31.20.

The total death rate for the week was 18.30, as compared with 20.02 and 19.76 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 23, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	102	Measles,	153
Diphtheria and croup,	186	Typhoid fever,	25
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 23, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 17,	29.99	34	43	25	64	52		58	W.	W.	7	8		C.	C.			T
Monday, . . 18,	30.05	42	54	31	63	54		58	W.	S. W.	10	16		C.	O.			0.00
Tuesday, . . 19,	30.30	37	44	30	46	56		51	N.	N. E.	20	10		C.	F.			0.00
Wednesday, . 20,	30.33	33	36	30	76	100		88	E.	E.	20	16		C.	R.			0.02
Thursday, . . 21,	29.80	47	58	36	79	100		90	S.	S.	20	18		O.	R.			1.14
Friday, . . 22,	29.90	42	48	36	78	56		67	W.	W.	12	9		C.	C.			0.11
Saturday, . . 23,	30.18	41	50	32	61	48		54	N. W.	S. W.	10	10		C.	C.			0.00
Week, . . .	30.08		48	33				67										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Mar. 30, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 13.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Mar. 30, 1901.

Deaths reported to the State Board of Health in 32 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	244	66	64	53	8	2	13
Worcester,	118,421	..	..	..	..	..	..	..
Fall River,	104,863	31	10	8	5	..	2	..
Lowell,	94,969	40	16	3	10	..	..	..
Cambridge,	91,886	29	10	6	3	..	..	2
Lynn,	68,513	14	5	1	2	..	..	1
Lawrence,	62,559	24	11	1	6	..	..	..
New Bedford,	62,442	33	19	3	8	..	..	..
Springfield,	62,059	22	3	4	3	..	..	..
Somerville,	61,643	17	5	4	4	1	..	..
Holyoke,	45,712	20	5	2	5	..	..	1
Brockton,	40,063	16	4	5	3	1	..	..
Haverhill,	37,175	7	2	2	..	..	..	..
Salem,	35,956	8	1	1	3	..	..	..
Chelsea,	34,072	13	2	..	..	..	..	..
Malden,	33,664	13	2	2	2	..	..	1
Newton,	33,587	5	..	..	1	..	..	..
Fitchburg,	31,531	11	2	1	..	..	..	..
Taunton,	31,036	13	1	4	3	..	..	1
Gloucester,	26,121	9	3	..	..	..	..	..
Everett,	24,336	8	3	1	2	..	..	..
North Adams,	24,200	3	2	..	1	..	..	..
Quincy,	23,899	6	1	2	..	..	..	..
Waltham,	23,481	9	2	3	2	..	..	..
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	10	3	2	2	..	1	..
Northampton,	18,643	..	..	..	..	..	..	..
Medford,	18,244	4	1	..	3	..	..	..
Newburyport,	14,478	3	..	1	..	..	1	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	8	3	2	4	..	..	..
Marlborough,	13,609	1	1	..	1	..	..	..
Hyde Park,	13,244	2	..	1	1	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Attleborough,	11,335	4	..	1	2	..	..	..
Weymouth,	11,324	8	..	..	3	..	..	..
Revere,	10,395	1	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,740,122	636	183	124	132	10	6	18

Deaths from Prevalent Diseases in 32 Cities and Larger Towns of Massachusetts.

One hundred and twenty-four deaths were reported from the principal infectious diseases: scarlet fever, 10; typhoid fever, 6; diphtheria and croup, 19; cerebro-spinal meningitis, 3; whooping-cough, 2; puerperal fever, 3; diarrhœal diseases, 8; measles, 3; erysipelas, 3.

No deaths were reported from small-pox or malarial fever.

There were 68 deaths from consumption, acute lung diseases, 132, still-births, 37, and influenza, 1.

From scarlet fever: Boston, 8; Somerville and Brockton, 1 each. From typhoid fever: Boston and Fall River, 2 each; Chicopee and Newburyport, 1 each. From diphtheria and croup: Boston, 13; Cambridge, 2; Lynn, Holyoke, Malden and Taunton, 1 each. From cerebro-spinal meningitis: Boston, Everett and Clinton, 1 each. From whooping-cough: Boston and Holyoke, 1 each. From puerperal fever: Boston, 2; Somerville, 1. From diarrhœal diseases: Boston, 2; Fall River, 3; Somerville, Malden and Clinton, 1 each. From measles: Boston, 2; Cambridge, 1. From erysipelas: Boston, 2; Holyoke, 1.

Deaths under five years of age numbered 183, as compared with 188 for the preceding week.

Deaths from the principal infectious diseases numbered 124, as compared with 127 for the preceding week.

The death rates for the week were Boston, 22.62; Fall River, 15.34; Lowell, 21.87; Cambridge, 16.38; Lynn, 10.71; Lawrence, 19.81; New Bedford, 27.66; Springfield, 18.46; Somerville, 14.25; Holyoke, 22.57; Brockton, 20.80; Haverhill, 9.83; Salem, 11.54; Chelsea, 19.86; Malden, 19.86; Newton, 7.74; Fitchburg, 18.46; Taunton, 21.79; Gloucester, 17.99; Everett, 17.32; North Adams, 6.50; Quincy, 13.00; Waltham, 20.33; Chicopee, 27.35; Medford, 11.54; Newburyport, 11.13; Clinton, 9.69; Marlborough, 4.06; Hyde Park, 7.96; Attleborough, 18.88; Weymouth, 37.80; Revere, 5.20.

The total death rate for the week was 18.98, as compared with 18.25 and 18.30 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Mar. 30, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	109	Measles,	194
Diphtheria and croup,	213	Typhoid fever,	16
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 30, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 24,	30.12	40	44	37	60	94	77	S. W.	E.	5	2	O.	R.		0.06
Monday, 25,	30.13	41	44	38	78	90	84	N. E.	N. E.	6	8	O.	O.		0.06
Tuesday, 26,	29.71	38	41	36	100	98	99	N. E.	N. E.	18	7	R.	R.		1.56
Wednesday, 27,	29.37	46	54	37	96	66	81	N. W.	W.	7	15	O.	F.		0.74
Thursday, 28,	29.43	35	42	28	68	69	68	W.	N. W.	20	22	O.	O.		0.00
Friday, 29,	29.65	30	34	26	49	59	54	N. W.	N. W.	15	14	O.	F.		0.00
Saturday, 30,	29.69	35	43	27	50	50	50	N. W.	N. W.	22	18	C.	C.		0.00
Week,	29.73		43	33			73								

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 6, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 14.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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FRANK W. DRAPER, M.D., Boston.
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CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 6, 1901.

Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	560,892	211	52	56	38	9	4	4
Worcester,	118,421	..	..	..	..	..	..	..
Fall River,	104,863	..	..	..	..	..	..	..
Lowell,	94,969	47	18	6	14	..	1	1
Cambridge,	91,886	26	7	3	9	..	..	1
Lynn,	68,513	18	2	3	3	..	..	1
Lawrence,	62,559	15	6	3	3	..	..	..
New Bedford,	62,442	21	10	5	4	3	..	1
Springfield,	62,059	24	7	2	4	1	..	..
Somerville,	61,643	12	..	2	6	..	1	..
Holyoke,	45,712	12	3	5	1	..	..	2
Brockton,	40,063	9	1	3	4	1	..	..
Haverhill,	37,175	12	4	3	3	..	..	1
Salem,	35,956	15	4	2	2	..	..	..
Chelsea,	34,072	11	1	1	..	..	..	..
Malden,	33,664	6	1	1	..	..	..	1
Newton,	33,587	9	2	3	2	..	1	..
Fitchburg,	31,531	7	5	1	..	..	1	..
Taunton,	31,036	..	..	..	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..
Everett,	24,336	10	3	1	2	..	..	1
North Adams,	24,200	10	4	2	1	..	..	..
Quincy,	23,899	8	3	2	1	..	..	..
Waltham,	23,481	3	1	..	1	..	..	..
Pittsfield,	21,766	..	9	3	2	..	..	1
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	9	5	2	1	..	..	..
Northampton,	18,643	..	..	..	..	..	..	..
Medford,	18,244	5	3	3	..	2	..	1
Newburyport,	14,478	3	..	..	..	..	..	..
Woburn,	14,254	7	1	1	2	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	7	2	1	3	..	..	..
Marlborough,	13,609	5	1	1	1	..	..	..
Hyde Park,	13,244	7	5	3	2	1	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Peabody,	11,523	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	2	..	..	..	..	..	..
Framingham,	11,302	3	2	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,603,694	534	162	118	109	17	8	15

Deaths from Prevalent Diseases in 30 Cities and Larger Towns of Massachusetts.

One hundred and eighteen deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 17; cerebro-spinal meningitis, 1; diphtheria and croup, 15; whooping-cough, 4; erysipelas, 4; typhoid fever, 4; puerperal fever, 1; diarrhœal diseases, 8.

No deaths were reported from small-pox or malarial fever.

There were 62 deaths from consumption, acute lung diseases, 109, still-births, 21, and influenza, 2.

From measles: Boston, 2. From scarlet fever: Boston, 9; New Bedford, 3; Springfield, Brockton and Hyde Park, 1 each; Medford, 2. From cerebro-spinal meningitis: Salem, 1. From diphtheria and croup: Boston, 4; Holyoke, 2; Lowell, Cambridge, Lynn, New Bedford, Haverhill, Malden, Everett, Pittsfield and Medford, 1 each. From whooping-cough: Boston, Lowell, Quincy and Chicopee, 1 each. From erysipelas: Boston, 4. From typhoid fever: Lowell, Lawrence, Haverhill and Clinton, 1 each. From puerperal fever: Quincy, 1. From diarrhœal diseases: Boston, 4; Lowell, Somerville, Newton and Fitchburg, 1 each.

Deaths under five years of age numbered 162, as compared with 183 for the preceding week.

Deaths from the principal infectious diseases numbered 118, as compared with 124 for the preceding week.

The death rates for the week were Boston, 19.55; Lowell, 25.74; Cambridge, 14.72; Lynn, 13.57; Lawrence, 12.58; New Bedford, 17.63; Springfield, 20.12; Somerville, 10.09; Holyoke, 13.59; Brockton, 11.70; Haverhill, 16.85; Salem, 21.68; Chelsea, 16.80; Malden, 9.15; Newton, 13.78; Fitchburg, 11.40; Everett, 21.68; North Adams, 21.68; Quincy, 17.32; Waltham, 11.76; Chicopee, 24.65; Medford, 14.46; Newburyport, 11.13; Woburn, 26.20; Clinton, 27.00; Marlborough, 18.56; Hyde Park, 27.98; Weymouth, 9.64; Framingham, 14.14.

The total death rate for the week was 17.32, as compared with 18.30 and 18.30 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 6, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	95	Measles,	225
Diphtheria and croup,	171	Typhoid fever,	13
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 6, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, March, 31,	29.53	37	44	30	57	64	60	N. W.	N. W.	23	17	F.	F.			O
Monday, April,. 1,	29.76	42	50	33	63	78	70	N. W.	N.	16	3	O.	F.			T
Tuesday, . . 2,	30.10	40	43	38	96	92	94	N. E.	S. E.	9	9	R.	O.			T
Wednesday, . 3,	29.67	40	42	37	96	100	98	E.	E.	13	30	O.	R.			1.11
Thursday, . . 4,	29.56	40	42	39	100	96	98	N. E.	N. E.	8	7	G.	G.			0.14
Friday, . . 5,	29.74	42	45	38	96	92	94	N.	N.	8	5	O.	O.			T
Saturday, . . 6,	29.74	46	53	40	89	100	94	S. W.	E.	6	15	O.	R.			0.14
Week, . . .	29.73		46	36			87									

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 13, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 15.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 13, 1901.

Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Boston,	560,892	234	57	60	48	10	1	7
Worcester,	118,421	31	9	5	5	..	..	1
Fall River,	104,863	..	..	..	..	..	..	..
Lowell,	94,969	40	11	4	10	..	1	..
Cambridge,	91,886	..	..	..	..	..	..	..
Lynn,	68,513	21	5	2	5	..	..	2
Lawrence,	62,559	20	9	4	5	..	..	..
New Bedford,	62,442	18	4	4	1	1	..	..
Springfield,	62,059	12	4	5	..	..	..	..
Somerville,	61,643	21	4	4	8	..	..	..
Holyoke,	45,712	16	5	3	2	..	..	..
Brockton,	40,063	11	6	5	..	..	..	..
Haverhill,	37,175	12	3	2	5	..	..	..
Salem,	35,956	13	3	..	..	..	..	..
Chelsea,	34,072	24	3	5	..	..	1	..
Malden,	33,664	8	2	1	..	1	..	..
Newton,	33,587	6	1	1	1	..	..	..
Fitchburg,	31,531	9	..	1	2	..	..	..
Taunton,	31,036	12	3	1	..	..	..	..
Gloucester,	26,121	7	2	2	..	..	..	..
Everett,	24,336	10	4	..	..	..	..	..
North Adams,	24,200	6	3	2	1	1	..	..
Quincy,	23,899	1	..	..	..	..	..	..
Waltham,	23,481	3	1	..	..	..	..	..
Pittsfield,	21,766	3	..	3	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	9	5	2	1	..	..	..
Northampton,	18,643	5	1	1	..	..	..	..
Medford,	18,244	6	3	2	1	..	..	1
Newburyport,	14,478	..	..	..	..	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	7	..	3	3	..	..	..
Clinton,	13,667	6	1	3	..	..	1	..
Marlborough,	13,609	4	1	2	..	..	..	..
Hyde Park,	13,244	3	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	3	..	1	..	..	..	..
Framingham,	11,302	4	1	..	..	..	..	..
Revere,	10,395	4	2	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns, ..	1,701,576	589	153	129	98	13	4	11

Deaths from Prevalent Diseases in 33 Cities and Larger Towns of Massachusetts.

One hundred and twenty-nine deaths were reported from the principal infectious diseases: scarlet fever, 13; typhoid fever, 4; diphtheria and croup, 11; whooping-cough, 4; puerperal fever, 1; malarial fever, 1; erysipelas, 2; diarrhœal diseases, 7; measles, 3; small-pox, 2.

No deaths were reported from influenza.

There were 75 deaths from consumption, acute lung diseases, 98, still-births, 36.

From scarlet fever: Boston, 10; New Bedford, Malden and North Adams, 1 each. From typhoid fever: Boston, Lowell, Chelsea, and Clinton, 1 each. From diphtheria and croup: Boston, 7; Lynn, 2; Worcester and Medford, 1 each. From whooping-cough: Boston, Worcester, Chicopee and Medford, 1 each. From puerperal fever: Springfield, 1. From malarial fever: Everett, 1. From erysipelas: Boston and Worcester, 1 each. From diarrhœal diseases: Boston, 3; New Bedford, Holyoke, Brockton and Clinton, 1 each. From measles: Boston, 3. From small-pox; Boston, 1; Fitchburg, 1.

Deaths under five years of age numbered 153, as compared with 162 for the preceding week.

Deaths from the principal infectious diseases numbered 129, as compared with 118 for the preceding week.

The death rates for the week were Boston, 21.68; Worcester, 13.67; Lowell, 21.89; Lynn, 15.81; Lawrence, 16.48; New Bedford, 15.08; Springfield, 10.09; Somerville, 17.63; Holyoke, 18.10; Brockton, 14.30; Haverhill, 16.85; Salem, 18.77; Chelsea, 36.71; Malden, 12.22; Newton, 9.20; Fitchburg, 14.61; Taunton, 20.12; Gloucester, 13.99; Everett, 21.68; North Adams, 12.58; Quincy, 2.17; Waltham, 6.76; Pittsfield, 7.12; Chicopee, 24.65; Northampton, 13.68; Medford, 17.32; Clinton, 22.31; Marlborough, 14.82; Hyde Park, 12.01; Revere, 20.80; Beverly, 26.00; Weymouth, 14.20; Framingham, 18.93.

The total death rate for the week was 17.99, as compared with 17.32 and 18.98 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 13, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1898.)

Scarlet fever,	106	Measles,	218
Diphtheria and croup,	164	Typhoid fever,	34
Small-pox,	1		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 13, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 7,	29.37	44	47	40	98	100	99	E.	N. E.	22	6	R.	R.		1.24
Monday, 8,	29.56	42	44	40	92	88	90	N.	N.	10	9	R.	O.		0.06
Tuesday, 9,	29.68	42	44	40	88	100	94	N.	N.	8	9	O.	R.		0.13
Wednesday, 10,	29.85	44	49	40	88	79	84	N.	N.	15	17	O.	O.		0.14
Thursday, 11,	30.03	42	46	38	69	56	62	N.	N. E.	16	16	O.	O.		T
Friday, 12,	30.17	45	54	36	30	34	32	N. E.	E.	16	3	C.	C.		0.00
Saturday, 13,	30.15	46	52	40	29	44	36	N.	E.	9	7	C.	C.		0.00
Week,	29.83		48	39			71								

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of March, 1901.

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	277	247	524	Maple Syrup, . .	6	1	7
Butter, . . .	15	..	15	Canned Goods, .	..	..	..
Cheese, . . .	3	..	3	Honey, . . .	4	3	7
Lard, . . .	1	..	1	Tea, . . .	6	..	6
Olive Oil, . . .	..	..	..	Coffee, . . .	8	1	9
Vinegar, . . .	..	2	2	Cocoa & Chocolate,	9	6	15
Spices, . . .	120	18	138	Confectionery, .	..	..	..
Cream of Tartar, .	27	1	28	Other articles of Food and Drinks,	..	..	..
Molasses, . . .	6	3	9	Cooking utensils, .	3	..	3
Syrups, . . .	1	2	3	Miscellaneous, .	18	31	49
Maple Sugar, . .	2	..	2				
				Totals, . .	506	315	821

Percentage of adulteration, 38.36. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 47.1 per cent., as compared with 51.0 per cent for the preceding month, while the percentage of other articles of food found to be adulterated was 22.9.

Nineteen complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. Fines were imposed amounting to $589.00. Under "Miscellaneous" are included 39 samples of Extract of Lemon, of which 8 only conformed to the standard fixed by the Pharmacopœia, many of them contained no Oil of Lemon, and nearly all were artificially colored.

The samples of drugs found to be adulterated were Acidum Tannicum, Aether, Aqua Destillata, Capsicum, Chloroformum, Ferri et quininae Citras, Ferri et Strychninae Cit, Glycerinum, Oleum Limonis, Oleum Olivae, Potassium Bitartras, Sodii Phosphas, Spiritus Frumenti, Spiritus Myrciae, Sulphur Praecipitatum, Tinctura Iodi, Zingiber.

Cities and towns from which samples of food were collected were Boston, Lowell, Cambridge, Somerville, Chelsea, Haverhill, Chicopee, Lawrence, Newton, Worcester, Everett, Malden, Newburyport, Waltham, Taunton, Quincy, Weymouth, Marlborough, Holyoke, Hyde Park, Attleborough, Stoneham, Stoughton, Gloucester, Beverly, Lexington, Southborough, Watertown, Westborough and Dedham.

In addition to the statement made last month relative to certain adulterations which had been noticed, the following is worthy of note:—

OLD VIRGINIA HONEY.

GEO. K. McMECHLIN & SON, CO.,
WHEELING, W. VA., U.S.A.

SPLENDID. Made with the greatest care for our fancy trade. From the very finest ingredients, free from all adulterations, and superior to any made.

A sample of honey bearing the foregoing label was purchased by an inspector of the board and was found to be adulterated with glucose and cane sugar.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, April 20, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 16.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
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CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 20, 1901.

Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.
Boston, ...	560,892	229	68	61	55	8	2	10
Worcester, ...	118,421	30	5	3	7	..	1	..
Fall River, ...	104,863	41	13	11	7	..	..	..
Lowell, ...	94,969	32	9	7	9	..	2	..
Cambridge, ...	91,886	33	10	10	4	1	..	1
Lynn, ...	68,513	..	..	..	..	..	..	..
Lawrence, ...	62,559	20	7	5	2	..	..	..
New Bedford, ...	62,442	21	6	3	1	1	..	..
Springfield, ...	62,059	37	9	5	2	..	..	1
Somerville, ...	61,643	17	2	2	3	..	..	..
Holyoke, ...	45,712	16	7	2	2	..	1	..
Brockton, ...	40,063	6	..	3	..	..	..	..
Haverhill, ...	37,175	13	1	2	1	..	..	..
Salem, ...	35,956	10	1	2	2	..	..	..
Chelsea, ...	34,072	8	5	1	..	..	..	..
Malden, ...	33,664	9	..	2	1	..	..	..
Newton, ...	33,587	6	..	2	1	..	..	..
Fitchburg, ...	31,531	9	5	..	2	..	..	..
Taunton, ...	31,036	..	..	..	..	..	..	..
Gloucester, ...	26,121	3	1	..	..	..	..	..
Everett, ...	24,336	5	1	3	..	..	1	..
North Adams, ...	24,200	7	4	..	..	..	..	..
Quincy, ...	23,899	9	..	1	3	..	..	..
Waltham, ...	23,481	7	1	..	3	..	..	..
Pittsfield, ...	21,766	8	..	1	1	..	..	1
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	13	9	3	2	..	2	..
Northampton, ...	18,643	2	..	..	..	..	..	..
Medford, ...	18,244	2	1	..	..	..	..	..
Newburyport, ...	14,478	3	..	1	..	..	..	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	..	..	..	..	..	..	..
Clinton, ...	13,667	3	1	..	..	..	..	..
Marlborough, ...	13,609	5	..	..	1	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	..	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Westfield, ...	12,310	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	5	1	1	..	..	..	..
Framingham, ...	11,302	1	..	..	..	..	..	..
Revere, ...	10,395	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.
Total of reporting towns, ..	1,775,731	610	167	131	109	10	9	13

Deaths from Prevalent Diseases in 31 Cities and Larger Towns of Massachusetts.

One hundred and thirty-one deaths were reported from the principal infectious diseases: measles, 5; scarlet fever, 10; cerebro-spinal meningitis, 3; diphtheria and croup, 13; whooping-cough, 9; erysipelas, 5; typhoid fever, 3; puerperal fever, 3; diarrhœal diseases, 13.

No deaths were reported from small-pox or malarial fever.

There were 70 deaths from consumption, acute lung diseases, 109, still-births, 29 and influenza, 1.

From measles: Boston, 4; Somerville, 1. From scarlet fever: Boston, 8; Cambridge, 1; New Bedford, 1. From cerebro-spinal meningitis: Worcester, Lowell and Springfield, 1 each. From diphtheria and croup: Boston, 10; Cambridge, Somerville and Pittsfield, 1 each. From whooping-cough: Boston, 2; Lowell, 2; Chicopee, 2; Worcester, Holyoke and Everett, 1 each. From erysipelas: Boston, 2; Cambridge, Chelsea and Quincy, 1 each. From typhoid fever: Boston, 2; Fall River, 1. From puerperal fever: Boston, 2; Lawrence, 1. From diarrhœal diseases: Boston, 5; Fall River, 7; Holyoke, 1.

Deaths under five years of age numbered 167, as compared with 153 for the preceding week.

Deaths from the principal infectious diseases numbered 131, as compared with 129 for the preceding week.

The death rates for the week were Boston, 21.22; Worcester, 13.22; Fall River, 20.28; Lowell, 17.52; Cambridge, 18.67; Lawrence, 16.50; New Bedford, 17.63; Springfield, 31.04; Somerville, 14.25; Holyoke, 18.10; Brockton, 7.80; Haverhill, 18.25; Salem 14.40; Chelsea, 12.22; Malden, 13.78; Newton, 9.46; Fitchburg, 14.60; Gloucester, 5.98; Everett, 10.82; North Adams, 15.18; Quincy, 19.50; Waltham, 15.81; Pittsfield, 18.88; Chicopee, 35.56; Northampton, 5.46; Medford, 5.77; Newburyport, 11.13; Clinton, 11.15; Marlborough, 18.56; Weymouth, 23.60; Framingham, 9.09.

The total death rate for the week was 17.86, as compared with 17.99 and 17.32 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 20, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	73	Measles,	206
Diphtheria and croup,	178	Typhoid fever,	29
Small-pox,	4		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 20, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 14,	30.16	44	48	40	61	73	67	S.	E.	4	7		F.	F.			0.00
Monday, 15,	30.04	44	47	40	66	70	68	N. E.	N. E.	27	20		O.	O.			0.03
Tuesday, 16,	30.04	42	46	38	100	74	87	N. E.	N. E.	21	12		R.	O.			0.76
Wednesday, 17,	30.20	42	46	38	70	87	78	N. E.	N. E.	20	15		C.	O.			T
Thursday, 18,	30.25	39	42	36	83	95	89	E.	E.	10	6		O.	O.			T
Friday, 19,	30.22	40	44	36	87	94	90	E.	E.	4	8		O.	C.			T
Saturday, 20,	30.12	40	43	37	100	100	100	E.	N. E.	12	17		R.	R.			0.03
Week,	30.15		45	38			83										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 27, 1901.

Deaths reported to the State Board of Health in 34 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.
Boston,	560,892	246	76	62	49	7	4	16
Worcester,	118,421	37	11	8	7	..	..	..
Fall River,	104,863	23	7	10	4	..	..	..
Lowell,	94,969	34	12	5	7	1	2	..
Cambridge,	91,886	25	6	4	3	..	..	1
Lynn,	68,513	17	3	3	4	..	..	1
Lawrence,	62,559	15	8	3	..	..	..	1
New Bedford,	62,442	21	7	1	1	..	..	..
Springfield,	62,059	15	3	1	..	..	..	..
Somerville,	61,643	19	3	3	3	..	..	..
Holyoke,	45,712	14	7	3	1	..	1	..
Brockton,	40,063	11	1	3	3	..	..	..
Haverhill,	37,175	15	1	4	3	1	..	..
Salem,	35,956	13	6	8	..	..	..	3
Chelsea,	34,072	12	3	2	..	..	1	..
Malden,	33,664	10	3	1	2	..	..	..
Newton,	33,587	7	..	..	..	..	..	..
Fitchburg,	31,531	7	3	1	1	..	..	..
Taunton,	31,036	4	1	..	3	..	..	..
Gloucester,	26,121	9	1	2	..	..	..	1
Everett,	24,336	8	5	2	1	..	..	1
North Adams,	24,200	8	1	2	..	..	..	..
Quincy,	23,899	2	1	1	..	..	..	..
Waltham,	23,481	9	2	..	3	..	..	..
Pittsfield,	21,766	10	..	1	2	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	6	2	1	1	..	..	..
Northampton,	18,643	3	1	..	..	..	..	..
Medford,	18,244	4	1	1	3	..	..	..
Newburyport,	14,478	8	2	..	..	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	5	..	1	..	..	..	..
Clinton,	13,667	3	1	1	..	..	..	..
Marlborough,	13,609	4	1	..	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	1	..	..	..	..	..	..
Framingham,	11,302	..	..	..	..	..	..	..
Revere,	10,395	4	2	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.
Total of reporting towns, ..	1,898,822	629	181	135	101	9	8	24

Deaths from Prevalent Diseases in 34 Cities and Larger Towns of Massachusetts.

One hundred and thirty-five deaths were reported from the principal infectious diseases: scarlet fever, 9; diphtheria and croup, 24; typhoid fever, 7; measles, 3; cerebro-spinal meningitis, 13; whooping-cough, 8; erysipelas, 2; diarrhœal diseases, 7.

No deaths were reported from small-pox, malarial fever or puerperal fever.

There were 62 deaths from consumption, acute lung diseases, 101, still-births, 47 and influenza, 2.

From scarlet fever: Boston, 7; Lowell and Haverhill, 1 each. From diphtheria and croup: Boston, 16; Cambridge, Lynn, Lawrence, Gloucester and Everett, 1 each; Salem, 3. From typhoid fever: Boston, 4; Fall River, 2; Clinton, 1. From measles: Boston, 3. From cerebro-spinal meningitis: Boston, 5; Worcester, 3; Salem, 2; Lynn, Pittsfield and Beverly, 1 each. From whooping-cough: Boston, 4; Lowell, 2; Holyoke, 1; Chelsea, 1. From erysipelas: Boston, 2. From diarrhœal diseases: Boston, 3; Fall River, 3; Somerville, 1.

Deaths under five years of age numbered 181, as compared with 167 for the preceding week.

Deaths from the principal infectious diseases numbered 135, as compared with 131 for the preceding week.

The death rates for the week were Boston, 22.80; Worcester, 16.28; Fall River, 11.39; Lowell, 18.62; Cambridge, 14.14; Lynn, 12.90; Lawrence, 12.48; New Bedford, 17.63; Springfield, 12.58; Somerville, 15.91; Holyoke, 15.82; Brockton, 14.30; Haverhill, 21.08; Salem, 18.77; Chelsea, 18.36; Malden, 15.29; Newton, 10.71; Fitchburg, 11.39; Taunton, 6.71; Gloucester, 17.99; Everett, 17.33; North Adams, 17.33; Quincy, 4.33; Waltham, 20.33; Pittsfield, 23.61; Chicopee, 16.43; Northampton, 8.22; Medford, 11.54; Newburyport, 29.70; Beverly, 18.56; Clinton, 11.13; Marlborough, 14.87; Weymouth, 4.68; Revere, 20.80.

The total death rate for the week was 17.22, as compared with 17.86 and 17.99 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending April 27, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	92	Measles,	316
Diphtheria and croup,	181	Typhoid fever,	27
Small-pox,	3		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 27, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 21,	29.96	43	45	41	100	100	100	N. E.	E.	15	21		G.	R.			0.24
Monday, 22,	30.05	46	49	42	96	98	97	N. E.	N. E.	5	8		O.	R.			0.04
Tuesday, 23,	30.18	42	42	41	100	98	99	N. E.	N. E.	11	12		R.	R.			T
Wednesday, 24,	29.96	42	43	41	92	96	94	N. E.	N. E.	12	7		O.	R.			1.09
Thursday, 25,	29.88	44	45	42	100	95	98	N. E.	N. E.	14	18		O.	R.			2.10
Friday, 26,	30.21	45	50	40	64	70	67	N.	N. E.	24	18		O.	C.			0.08
Saturday, 27,	30.48	43	48	38	64	43	54	N. E.	N. E.	22	9		F.	C.			0.00
Week,	30.10		46	41			87										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 4, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 18.

Entered at the post-office at Boston as second-class matter.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 4, 1901.

Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Cerebro-spinal Meningitis.	Diphtheria and Croup.
Boston,	560,892	234	65	60	43	9	1	6
Worcester,	118,421	27	16	2	2	1	1	..
Fall River,	104,863	..	..	..	..	..	..	..
Lowell,	94,969	35	12	4	5	..	1	..
Cambridge,	91,886	24	8	8	2	..	1	1
Lynn,	68,513	23	5	5	1	..	2	..
Lawrence,	62,559	14	5	2	1	..	..	..
New Bedford,	62,442	15	4	4	..	..	..	1
Springfield,	62,059	20	3	5	1	..	..	..
Somerville,	61,643	17	3	1	3	..	..	..
Holyoke,	45,712	9	3	..	2	..	..	..
Brockton,	40,063	5	1	2	..	..	..	..
Haverhill,	37,175	11	1	5	..	..	..	..
Salem,	35,956	..	..	..	..	..	..	..
Chelsea,	34,072	9	4	1	..	..	..	1
Malden,	33,664	10	4	2	..	..	..	2
Newton,	33,587	8	2	..	..	..	..	..
Fitchburg,	31,531	11	3	3	..	..	..	..
Taunton,	31,036	4.	1	2	..	..	..	..
Gloucester,	26,121	4	1	2	..	..	..	..
Everett,	24,336	7	1	3	..	..	..	1
North Adams,	24,200	10	2	3	1	..	..	1
Quincy,	23,899	8	1	1	1	..	..	..
Waltham,	23,481	1	..	1	..	..	..	..
Pittsfield,	21,766	2	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	5	2	2	..	..	..	..
Northampton,	18,643	6	..	1	..	..	..	..
Medford,	18,244	4	1	1	1	..	..	..
Newburyport,	14,478	4	1	1	..	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	2	..	1	..	..	..	..
Marlborough,	13,609	9	..	..	2	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	..	..	..	..	..	..	..
Framingham,	11,302	3	..	..	1	..	..	..
Revere,	10,395	3	..	2	1	1	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Cerebro-spinal Meningitis.	Diphtheria and Croup.
Total of reporting towns, ..	1,733,532	544	149	124	67	11	6	13

Deaths from Prevalent Diseases in 31 Cities and Larger Towns of Massachusetts.

One hundred and twenty-four deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 11; cerebro-spinal meningitis, 6; diphtheria and croup, 13; whooping-cough, 2; erysipelas, 4; typhoid fever, 5; puerperal fever, 2; diarrhœal diseases, 4.

No deaths were reported from small-pox, malarial fever or influenza.

There were 74 deaths from consumption, acute lung diseases, 67, still-births, 26.

From measles: Boston, 3. scarlet fever: Boston, 9; Worcester and Revere, 1 each. From cerebro-spinal meningitis: Boston, Worcester, Lowell and Cambridge, 1 each; Lynn, 2. From diphtheria and croup: Boston, 6; Malden, 2; Cambridge, New Bedford, Chelsea, Everett and North Adams, 1 each. From whooping-cough: Boston, 2. From erysipelas: Boston, 3; Chicopee, 1. From typhoid fever: Boston, 3; Haverhill, 1; Newburyport, 1. From puerperal fever: Boston, 1; New Bedford, 1. From diarrhœal diseases: Boston, 4.

Deaths under five years of age numbered 149, as compared with 181 for the preceding week.

Deaths from the principal infectious diseases numbered 124, as compared with 135 for the preceding week.

The death rates for the week were Boston, 21.41; Worcester, 11.90; Lowell, 19.16; Cambridge,13.57; Lynn, 17.33; Lawrence, 11.55; New Bedford, 12.58; Springfield, 16.77; Somerville, 14.29; Holyoke, 10.19; Brockton, 6.50; Haverhill, 15.44; Chelsea, 13.76; Malden, 15.29; Newton, 12.24; Fitchburg, 17.89; Taunton, 6.71; Gloucester, 8.01; Everett, 15.18; North Adams, 21.68; Quincy, 17.33; Waltham, 2.26; Pittsfield, 4.73; Chicopee, 13.67; Northampton, 16.43; Medford, 11.55; Newburyport, 14.87; Clinton, 7.44; Marlborough, 33.43; Framingham, 14.18; Revere, 15.60.

The total death rate for the week was 16.31, as compared with 17.22 and 17.86 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 4, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	65	Measles,	287
Diphtheria and croup,	163	Typhoid fever,	35
Small-pox,	1		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.				DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 4, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, April 28,	30.47	46	55	38	32	48		40	N.	S. E.	15	4		C.	C.			0.00
Monday, 29,	30.28	58	75	42	35	33		34	N. W.	S. W.	4	15		C.	C.			0.00
Tuesday, 30,	30.05	51	61	41	58	93		76	N.	S. E.	12	8		O.	R.			0.12
Wednesday, May 1,	29.96	46	51	42	89	82		86	N. E.	E.	9	2		O.	C.			0.20
Thursday, 2,	29.74	46	53	38	85	86		86	S.	S. W.	12	13		O.	O.			0.01
Friday, 3,	29.68	50	54	46	69	42		56	N. W.	N. W.	18	18		O.	C.			0.82
Saturday, 4,	29.87	52	62	42	30	48		39	N. W.	N. W.	20	9		C.	O.			0.00
Week,	30.01		59	41				60										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 11, 1901.

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VOL. XIX. No. 19.

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 11, 1901.

Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Measles.	Diphtheria and Croup.
Boston,	560,892	238	72	44	46	1	4	4
Worcester,	118,421	39	8	6	5	1	..	..
Fall River,	104,863	27	11	6	3	..	..	..
Lowell,	94,969	35	11	2	5	..	..	..
Cambridge,	91,886	32	11	13	3	..	2	1
Lynn,	68,513	20	5	2	..	..	..	1
Lawrence,	62,559	25	9	2	4	..	..	..
New Bedford,	62,442	16	6	4	1	1	..	..
Springfield,	62,059	15	2	2	..	..	..	..
Somerville,	61,643	19	2	4	7	..	1	..
Holyoke,	45,712	8	1	2	..	..	..	..
Brockton,	40,063	7	1	1	3	..	..	..
Haverhill,	37,175	11	2	1	4	..	..	..
Salem,	35,956	12	2	2	..	..	..	..
Chelsea,	34,072	10	1	1	..	..	..	1
Malden,	33,664	6	3	2	..	..	..	1
Newton,	33,587	7	1	..	1	..	..	..
Fitchburg,	31,531	11	3	2	..	..	..	..
Taunton,	31,036	9	2	..	2	..	..	..
Gloucester,	26,121	5	1	1	..	..	..	..
Everett,	24,336	5	1	1	2	..	..	..
North Adams,	24,200	7	1	2	1	..	..	..
Quincy,	23,899	7	..	2	1	..	..	..
Waltham,	23,481	9	2	2	1	..	..	1
Pittsfield,	21,766	..	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	4	1	..	..	..	..	..
Northampton,	18,643	2	..	..	..	..	..	..
Medford,	18,244	5	1	2	1	..	1	..
Newburyport,	14,478	4	..	..	..	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	2	1	..	..	..	..	..
Clinton,	13,667	2	..	..	..	..	..	..
Marlborough,	13,609	1	..	1	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	5	1	1	1	..	..	..
Framingham,	11,302	3	..	..	1	..	..	..
Revere,	10,395	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Measles.	Diphtheria and Croup.
Total of reporting towns, ..	1,867,398	608	162	108	92	3	8	9

Deaths from Prevalent Diseases in 33 Cities and Larger Towns of Massachusetts.

One hundred and eight deaths were reported from the principal infectious diseases: measles, 8; scarlet fever, 3; cerebro-spinal meningitis, 4; diphtheria and croup, 9; whooping-cough, 1; erysipelas, 1; typhoid fever, 2; puerperal fever, 1; diarrhœal diseases, 10; influenza, 2.

No deaths were reported from small-pox or malarial fever.

There were 69 deaths from consumption, acute lung diseases, 92, still-births, 48.

From measles: Boston, 4; Cambridge, 2; Somerville and Medford, 1 each. From scarlet fever: Boston, Worcester and New Bedford, 1 each. From cerebro-spinal meningitis: Worcester, 2; Salem and Gloucester, 1 each. From diphtheria and croup: Boston, 4; Cambridge, Lynn, Chelsea, Malden and Waltham, 1 each. From whooping-cough: Cambridge, 1. From erysipelas: Boston, 1. From typhoid fever: Boston, 1; Lawrence, 1. From puerperal fever: Boston, 1. From diarrhœal diseases: Boston, 8; Fall River, 1; Cambridge, 1. From influenza: Haverhill, 2.

Deaths under five years of age numbered 162, as compared with 149 for the preceding week.

Deaths from the principal infectious diseases numbered 108, as compared with 124 for the preceding week.

The death rates for the week were Boston, 22.06; Worcester, 17.19; Fall River, 13.36; Lowell, 19.16; Cambridge, 18.08; Lynn, 15.08; Lawrence, 20.64; New Bedford, 13.41; Springfield, 12.58; Somerville, 15.93; Holyoke, 9.05; Brockton, 9.10; Haverhill, 15.45; Salem, 17.33; Chelsea, 15.29; Malden, 9.17; Newton, 10.85; Fitchburg, 17.88; Taunton, 10.39; Gloucester, 10.00; Everett, 10.83; North Adams, 15.18; Quincy, 15.15; Waltham, 20.35; Chicopee, 10.94; Northampton, 5.48; Medford, 14.44; Newburyport, 14.87; Beverly, 7.43; Clinton, 7.60; Marlborough, 3.71; Weymouth, 23.63; Framingham, 14.18; Revere, ——.

The total death rate for the week was 16.93, as compared with 16.31 and 17.22 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 11, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	78	Measles,	254
Diphtheria and croup,	159	Typhoid fever,	19
Small-pox,	4		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 11, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, May 5,	29.76	50	57	42	54	78	66	N.	N. E.	20	8		C.	O.			0.00
Monday, 6,	29.88	50	59	40	75	61	68	N.	S. W.	9	10		F.	C.			0.00
Tuesday, 7,	29.79	58	70	47	48	52	50	W.	S. E.	8	10		C.	C.			0.00
Wednesday, 8,	29.96	60	68	52	73	35	54	E.	S. W.	6	9		C.	F.			0.00
Thursday, 9,	30.09	50	55	45	46	49	46	E.	E.	8	10		F.	O.			0.00
Friday, 10,	30.04	50	53	46	96	100	98	N. E.	N. E.	10	14		R.	R.			0.31
Saturday, 11,	29.74	58	67	50	97	83	90	S.	S.	12	11		O.	O.			0.58
Week,	29.89		61	46			67										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of April, 1901.

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	457	43	500	Canned Goods, .	..	..	..
Butter, . . .	4	..	4	Honey, . . .	3	..	3
Cheese, . . .	1	..	1	Tea, . . .	4	..	4
Lard, . . .	..	..	..	Coffee, . . .	8	1	9
Olive Oil, . . .	..	..	..	Cocoa & Chocolate,	1	4	5
Vinegar, . . .	..	..	..	Confectionery, .	5	..	5
Spices, . . .	78	14	92	Other articles of Food and Drinks,	..	..	..
Cream of Tartar, .	24	..	24	Drugs, . . .	40	31	71
Molasses, . . .	6	1	7	Extract of Vanilla, .	11	16	27
Syrups, . . .	3	1	4	Extract of Lemon, .	10	40	50
Maple Sugar, . .	8	..	8	Miscellaneous, .	4	1	5
Maple Syrup, . .	5	1	6				
				Totals, . .	672	153	825

Percentage of adulteration, 18.5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 8.6 per cent., as compared with 47.1 per cent. for the preceding month, while the percentage of other articles of food found to be adulterated was 31.1.

Seven complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. Fines were imposed amounting to $40.00. Of 50 samples of "Extract of Lemon" examined, 40 were adulterated; 27 samples of "Extract of Vanilla" were examined, of these, 16 were adulterated.

The samples of drugs found to be adulterated were Acidum Tannicum, Aqua Destillata, Capsicum, Extract Zingiberis Fluidum, Glycerinum, Spiritus Vini Gallici, Sodii Phosphus, Sulphur Praecipitatum, Tinctura Iodi. Of the last-named, 14 samples were examined, all of which were found to be adulterated.

Cities and towns from which samples of food were collected were Boston, Worcester, Fall River, Cambridge, Lawrence, Springfield, Somerville, Brockton, Haverhill, New Bedford, Chelsea, Malden, Newton, Fitchburg, Taunton, Everett, Quincy, Waltham, Brookline, Medford, Woburn, Marlborough, Hyde Park, Attleborough, Weymouth, Framingham, Revere, Franklin and Warren.

Several new measures relating to food adulteration have been considered by the present Legislature, and two new laws have been enacted, notice of which will be published in a later bulletin.

Weekly Bulletin

OF THE

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OF

MASSACHUSETTS

FOR THE

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VOL. XIX. No. 20.

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MORTALITY OF MASSACHUSETTS

For the Week ending May 18, 1901.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Measles.	Diphtheria and Croup.
Boston,	560,892	193	54	50	31	7	3	3
Worcester,	118,421	27	10	2	6	..	..	..
Fall River,	104,863	33	10	7	3	..	..	..
Lowell,	94,969	41	14	7	10	..	1	2
Cambridge,	91,886	21	6	4	1	1	..	2
Lynn,	68,513	17	7	5	1	..	..	1
Lawrence,	62,559	14	9	..	3	..	..	..
New Bedford,	62,442	17	2	4	1	..	..	..
Springfield,	62,059	16	4	..	3	..	..	..
Somerville,	61,643	16	5	4	1	..	..	1
Holyoke,	45,712	16	4	1	2	..	..	..
Brockton,	40,063	7	..	2	..	..	..	..
Haverhill,	37,175	8	3	3	..	..	..	..
Salem,	35,956	11	1	..	..	..	..	..
Chelsea,	34,072	8	2	..	..	..	..	..
Malden,	33,664	12	3	2	3	..	..	..
Newton,	33,587	7	..	1	1	..	..	..
Fitchburg,	31,531	9	2	..	1	..	..	..
Taunton,	31,036	12	2	2	1	..	..	..
Gloucester,	26,121	6	1	..	..	..	..	..
Everett,	24,336	7	2	2	..	..	..	..
North Adams,	24,200	6	2	2	..	..	..	..
Quincy,	23,899	..	..	..	..	..	..	..
Waltham,	23,481	4	1	1	1	..	..	..
Pittsfield,	21,766	2	1	1	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	10	7	3	..	..	..	1
Northampton,	18,643	10	..	..	..	..	..	..
Medford,	18,244	5	2	1	2	..	1	..
Newburyport,	14,478	1	..	..	1	..	..	..
Woburn,	14,254	1	..	..	..	..	..	..
Beverly,	13,884	4	..	1	1	..	..	..
Clinton,	13,667	2	2	1	..	..	..	..
Marlborough,	13,609	3	..	..	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Westfield,	12,310	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	4	..	2	..	..	..	..
Framingham,	11,302	5	..	1	..	..	..	..
Revere,	10,395	2	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Measles.	Diphtheria and Croup.
Total of reporting towns, ..	1,913,813	557	156	109	73	8	5	10

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

One hundred and nine deaths were reported from the principal infectious diseases: measles, 5; scarlet fever, 8; cerebro-spinal meningitis, 6; diphtheria and croup, 10; whooping-cough, 1; typhoid fever, 5; diarrhœal diseases, 13.

No deaths were reported from small-pox, erysipelas, puerperal fever, influenza or malarial fever.

There were 61 deaths from consumption, acute lung diseases, 73, still-births, 48.

From measles: Boston, 3; Lowell, 1; Medford, 1. From scarlet fever: Boston, 7; Cambridge, 1. From cerebro-spinal meningitis: Boston, 1; Lynn, 3; Brockton, 1; Haverhill, 1. From diphtheria and croup: Boston, 3; Lowell, 2; Cambridge, 2; Lynn, Somerville and Chicopee, 1 each. From whooping-cough: Cambridge, 1. From typhoid fever: Boston, 2; Worcester, New Bedford and Weymouth, 1 each. From diarrhœal diseases: Boston, 7; Fall River, 3; Somerville, Waltham and Clinton, 1 each.

Deaths under five years of age numbered 156, as compared with 162 for the preceding week.

Deaths from the principal infectious diseases numbered 109, as compared with 108 for the preceding week.

The death rates for the week were Boston, 17.89; Worcester, 11.90; Fall River, 16.32; Lowell, 22.44; Cambridge, 11.86; Lynn, 12.81; Lawrence, 11.55; New Bedford, 14.25; Springfield, 13.42; Somerville, 13.50; Holyoke, 18.90; Brockton, 9.10; Haverhill, 11.24; Salem, 15.88; Chelsea, 12.24; Malden, 18.35; Newton, 10.71; Fitchburg, 14.61; Taunton, 20.12; Gloucester, 12.00; Everett, 15.18; North Adams, 13.00; Waltham, 8.95; Quincy, ——; Pittsfield, 4.73; Chicopee, 27.36; Northampton, 28.12; Medford, 14.40; Newburyport, 3.71; Woburn, 3.65; Beverly, 14.87; Clinton, 7.44; Marlborough, 11.15; Weymouth, 19.90; Framingham, 23.60; Revere, 10.40.

The total death rate for the week was 15.13, as compared with 16.93 and 16.31 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 18, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	84	Measles,	349
Diphtheria and croup,	150	Typhoid fever,	20
Small-pox,	17		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 18, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 12,	29.72	63	71	55	91	33	62	S. W.	S.	12	5		O.	O.			T
Monday, . . 13,	29.82	58	66	50	93	43	68	N. W.	W.	8	6		R.	C.			0.25
Tuesday, . . 14,	30.06	59	69	49	54	46	50	W.	S.	12	15		C.	F.			0.00
Wednesday, . 15,	30.12	60	66	54	56	65	60	N. W.	S.	9	12		O.	C.			0.00
Thursday, . . 16,	30.14	56	64	49	59	64	62	N.	S.	4	9		C.	C.			0.00
Friday, . . 17,	30.03	63	73	53	82	50	66	E.	S.	8	13		C.	C.			0.00
Saturday, . . 18,	29.91	51	54	48	86	94	90	E.	N. E.	6	12		C.	O.			0.24
Week, . . .	29.97		66	51			65										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, May 25, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 21.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 25, 1901.

Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	213	54	54	28	1	7	10
Worcester, ...	118,421	23	7	3	2	2	..	..
Fall River, ...	104,863	31	15	9	3	..	4	..
Lowell, ...	94,969	49	13	11	6	..	..	3
Cambridge, ...	91,886	21	6	7	1	..	..	..
Lynn, ...	68,513	11	..	2	..	1	..	..
Lawrence, ...	62,559	21	8	1	2	..	1	..
New Bedford, ...	62,442	20	2	1	..	..	..	..
Springfield, ...	62,059	12	2	2	..	..	..	..
Somerville, ...	61,643	13	2	8	1	..	1	1
Holyoke, ...	45,712	13	9	2	1	..	..	..
Brockton, ...	40,063	12	3	4	..	1	..	1
Haverhill, ...	37,175	11	4	2	1	..	..	..
Salem, ...	35,956	7	4	..	..	..	..	..
Chelsea, ...	34,072	9	1	4	..	..	..	1
Malden, ...	33,664	4	2	..	1	..	..	..
Newton, ...	33,587	7	..	1	..	1	..	..
Fitchburg, ...	31,531	..	..	..	..	..	..	..
Taunton, ...	31,036	10	1	1	2	..	..	..
Gloucester, ...	26,121	5	..	1	..	..	..	..
Everett, ...	24,336	..	..	..	..	..	..	..
North Adams, ...	24,200	8	2	..	2	..	..	..
Quincy, ...	23,899	5	..	2	1	..	..	..
Waltham, ...	23,481	13	4	5	2	..	..	..
Pittsfield, ...	21,766	4	..	1	1	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	4	2	..	..	..	..	..
Northampton, ...	18,643	6	..	1	..	..	..	..
Medford, ...	18,244	8	3	2	2	..	2	..
Newburyport, ...	14,478	..	..	..	..	..	..	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	5	..	1	..	..	..	..
Clinton, ...	13,667	2	1	..	..	..	..	..
Marlborough, ...	13,609	6	1	1	..	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	..	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Westfield, ...	12,310	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	3	..	1	..	..	..	..
Framingham, ...	11,302	..	..	..	..	..	..	..
Revere, ...	10,395	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,818,819	556	146	127	56	6	15	16

Deaths from Prevalent Diseases in 31 Cities and Larger Towns of Massachusetts.

One hundred and twenty-seven deaths were reported from the principal infectious diseases: measles, 5; scarlet fever, 6; cerebro-spinal meningitis, 4; diphtheria and croup, 16; whooping-cough, 3; erysipelas, 2; typhoid fever, 4; puerperal fever, 2; diarrhœal diseases, 15; influenza, 1.

No deaths were reported from small-pox or malaria.

There were 70 deaths from consumption, acute lung diseases, 56, still-births, 46.

From measles: Boston, 3; Cambridge, 2. From scarlet fever: Boston, 1; Worcester, 2; Lynn, Brockton and Newton, 1 each. From cerebro-spinal meningitis: Boston, 3; Pittsfield, 1. From diphtheria and croup: Boston, 10; Lowell, 3; Somerville, Brockton and Chelsea, 1 each. From whooping-cough: Boston, 1; Cambridge, 2. From erysipelas: Boston, 2. From typhoid fever: Boston, Lowell, Taunton and Waltham, 1 each. From puerperal fever: Boston, 2. From diarrhœal diseases: Boston, 7; Fall River, 4; Lawrence, 1; Somerville, 1; Medford, 2. From influenza, Haverhill, 1.

Deaths under five years of age numbered 146, as compared with 156 for the preceding week.

Deaths from the principal infectious diseases numbered 127, as compared with 109 for the preceding week.

The death rates for the week were Boston, 19.74; Worcester, 10.13; Fall River, 15.34; Lowell, 26.80; Cambridge, 11.87; Lynn, 8.29; Lawrence, 17.33; New Bedford, 16.77; Springfield, 10.06; Somerville, 10.87; Holyoke, 14.70; Brockton, 15.60; Haverhill, 15.45; Salem, 10.11; Chelsea, 13.76; Malden, 6.12; Newton, 10.71; Taunton, 16.77; Gloucester, 10.00; Everett, ——; North Adams, 17.33; Quincy, 10.83; Waltham, 29.38; Pittsfield, 9.45; Chicopee, 10.94; Northampton, 16.43; Medford, 23.10; Beverly, 18.56; Clinton, 7.44; Marlborough, 22.28; Weymouth, 14.18; Framingham, ——.

The total death rate for the week was 15.89, as compared with 15.13 and 16.93 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending May 25, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	110	Measles,	377
Diphtheria and croup,	164	Typhoid fever,	21
Small-pox,	12		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 25, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 19,	29.92	47	48	46	100	98	99	N. E.	N. E.	15	24		R.	R.			1.45
Monday, 20,	30.08	45	46	44	100	96	98	N. E.	N. E.	20	14		R.	O.			0.72
Tuesday, 21,	30.07	52	60	45	87	84	86	N. W.	S. E.	7	5		O.	F.			0.00
Wednesday, 22,	29.95	70	84	57	69	76	72	W.	S. W.	5	14		F.	F.			0.00
Thursday, 23,	29.72	70	81	59	83	60	72	W.	W.	15	13		F.	C.			0.07
Friday, 24,	29.97	61	75	47	68	96	82	W.	N. E.	3	20		F.	R.			0.40
Saturday, 25,	30.19	48	50	46	98	88	93	N. E.	E.	22	8		R.	O.			0.37
Week,	29.99		63	49			86										

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

SANITARY NOTES.

MANUAL OF HEALTH LAWS.

The following statement is published in reply to the many inquiries which have been received at the office of the Board since the beginning of the present year, asking for a new manual.

Since the first publication of such a manual in 1882, it has been the practice of the Board to issue a new edition of the manual about once in three or four years. This book has contained the laws which had been enacted up to the date of its publication, together with such decisions of the supreme court relating to their statutes as had been published at the same date.

The book has been found useful, especially to local boards of health, since, without its aid, it might frequently become necessary to search not only the Public Statutes published in 1882, but also the nineteen large annual volumes of statutes published in the intervening years between that date and the present year, in order to find any sanitary statute which had been enacted during the period which has elapsed since 1882.

During the past two years a commission has been engaged in revising the statutes, with the purpose of publishing the existing laws in one volume similar to that of 1882, and this work is nearly completed. If a new manual of health laws were to be published now, it would be entirely out of date in a few months in consequence of this revision, which must necessarily change the numbering of statutes and sections. It has, therefore, been deemed prudent to wait until the new revision is complete before another manual is published.

SANITARY LAWS OF 1901.

The following laws relating to public health, and which relate to the work of both State and local boards of health have been enacted by the Legislature of 1901.

[CHAP. 104.]

AN ACT TO PROVIDE FOR EXAMINATION BY THE STATE BOARD OF HEALTH OF THE OUTLETS OF SEWERS, AND AS TO THE EFFECT OF SEWAGE DISPOSAL.

SECTION 1. The state board of health shall annually examine all main outlets of sewers and drainage of the cities and towns of the Commonwealth, and the effect of sewage disposal, and annually report thereon to the general court, with such recommendations for the protection of the interests of persons and property as said board shall deem expedient, and for the prevention of offensive odors and objectionable conditions.

[CHAP. 134.]

AN ACT RELATIVE TO THE KILLING AND RENDERING OF HORSES AND OTHER ANIMALS.

SECTION 1. Any person, firm or corporation engaged or desiring to engage in the business of killing horses, or in the rendering of horses or other animals, shall, within thirty days after the passage of this act, and thereafter annually in the month of March, make application to the board of health of the city or town where the business is to be conducted, for a license to carry it on. Such application shall be in writing, signed by the person or persons desiring to conduct the business, or, in the case of a corporation, by some officer thereof thereto duly authorized. It shall state the names in full and the addresses of all the persons desiring to carry on said business, or, in the case of a corporation, of all the officers thereof, and the street or other place where the business is to be conducted. No unlicensed person shall carry on the business of killing or of rendering horses or other animals.

SECTION 2. The board of health of a city or town may grant licenses for such killing or rendering establishments, but not till it has satisfied itself that the applicants have a suitable building and plant in a situation approved by the said board of health, and suitable trucks or wagons for the removal of dead animals; and the said board may at any time revoke any such license. The license fee shall not exceed one dollar. The license shall state the names of the licensees and the situation of the building or establishment where the business is to be carried on, and shall continue in force until the first day of April, of the year next ensuing, unless sooner revoked. The board of health of any city or town granting such licenses shall keep a record thereof, and shall also notify the board of cattle commissioners whenever any such license is granted, giving the names and addresses of the licensees.

SECTION 3. Persons licensed as aforesaid shall report to the board of cattle commissioners, in such form and at such times as the board may direct, every animal received by them which is found to be infected with a contagious disease.

SECTION 4. That part of section thirty-two of chapter four hundred and eight of the acts of the year eighteen hundred and ninety-nine providing that no person shall knowingly sell an animal with a contagious disease, shall not apply to any person selling such an animal to any person licensed as aforesaid: *provided*, that such animal is to be killed or rendered at the establishment of such licensee.

SECTION 5 Any person violating any provision of this act shall be punished by a fine not exceeding two hundred dollars or by imprisonment in jail for a term not exceeding ninety days, or by both such fine and imprisonment.

[Chap. 138.]

AN ACT TO PROHIBIT THE TAKING OF SHELLFISH FROM CONTAMINATED WATERS.

Section 1. The commissioners on inland fisheries and game shall, whenever so requested in writing by the state board of health, prohibit the taking of oysters, clams, quahaugs and scallops from the tidal waters or flats of any part of the Commonwealth, for such period of time as the said board of health may determine.

Section 2. The state board of health shall have power to examine all complaints that may be brought to its attention in regard to contamination of tidal waters and flats by sewerage or other causes, to determine as near as may be the bounds of such contamination, and mark the same when necessary, and to request the commissioners on inland fisheries and game to prohibit the taking therefrom of any oysters, clams, quahaugs and scallops, as provided in section one of this act.

Section 3. Whoever takes any oysters, clams, quahaugs or scallops from any part of the tidal waters or flats of the Commonwealth from which the taking of the same is prohibited as above provided shall forfeit not less than five nor more than ten dollars for the first offence, and not less than fifty nor more than one hundred dollars for each subsequent offence: *provided*, that the commissioners on inland fisheries and game shall cause notice of such prohibition, with a description or bounds of the premises concerned, to be given by publication in some newspaper published in the town or county in which or adjacent to which are situated the tidal waters or flats from which the taking of oysters, clams, quahaugs or scallops is prohibited as above provided, at least one week before said penalty shall be incurred.

[Chap. 171.]

AN ACT TO PROVIDE FOR THE ESTABLISHMENT IN CITIES OF HOSPITALS FOR PERSONS HAVING SMALLPOX OR OTHER DISEASES DANGEROUS TO THE PUBLIC HEALTH.

Section 1. Every city in the Commonwealth shall establish within its limits and keep itself constantly provided with one or more isolation hospitals for the reception of persons having smallpox or any other disease dangerous to the public health. Such hospitals shall be subject to the orders and regulations of the boards of health of the cities in which they are respectively located.

Section 2. Whenever a city shall refuse or neglect to carry into effect the provisions of section one of this act, after having been requested so to do by the state board of health, it shall be liable to forfeit a sum not exceeding five hundred dollars for each refusal or neglect.

[Chap. 188.]

AN ACT RELATIVE TO THE MANUFACTURE AND SALE OF TEXTILE FABRICS AND PAPERS CONTAINING ARSENIC.

Section 1. Section one of chapter three hundred and twenty-five of the acts of the year nineteen hundred is hereby amended by inserting after the word "to", in the ninth line, the words: — articles intended for the destruction of insects, having the word "Poison" plainly printed in uncondensed gothic letters not less than one inch long on both sides of each sheet and square foot of the fabric, or to, — so as to read as follows: — *Section 1.* Any corporation, person, firm or agent who directly or by an agent manufactures, sells, exchanges, or has in his custody or possession with intent to sell or exchange, any woven fabric or paper containing arsenic in any form, or any article of dress or of household use composed wholly or in part of such woven fabric or paper, shall on conviction thereof be punished by fine of not less than fifty nor more than two hundred dollars: *provided, however*, that this section shall not apply to articles intended for the destruction of insects, having the word "Poison" plainly printed in uncondensed gothic letters not less than one inch long on both sides of each sheet and square foot of the fabric, or to dress goods or articles of dress containing not more than one one hundredth grain, or to other materials or articles containing not more than one tenth grain of arsenic per square yard of the material.

[Chap. 313.]

AN ACT TO AUTHORIZE THE TEMPORARY TAKING OF WATER FOR EMERGENCY PURPOSES BY CITIES AND TOWNS.

Section 1. Cities by their city councils, and towns having a system of water supply by their water commissioners or selectmen, may in cases of emergency and for a period not exceeding six months in any one year, take water from any brook, stream, river, lake, pond or reservoir, not already appropriated to uses of a municipal water supply, in such quantities as may be necessary to relieve the emergency; but water commissioners or selectmen of towns shall not make any such taking unless previously authorized so to do at some meeting of the inhabitants of the town regularly called therefor. They may also take such rights to use any land and for such time as may be necessary to use such water. Such vote of a city council or of a town meeting shall be conclusive as to the existence of the emergency. No such taking shall be made until the state board of health shall have first approved the water as a proper source of water supply.

Section 2. The city councils of cities and the water commissioners or selectmen of towns shall cause to be recorded in the registry of deeds for the county or district in which such water and land are situated, within thirty days after the taking, a description sufficiently accurate for identification, with a statement of the purpose and the time for which the same are taken, which statement shall be signed by the mayor of the city or by the chairman of the water commissioners or selectmen of the town making the taking, and upon such recording the right to use for the time stated in such taking shall vest in such city or town.

Section 3. The city councils of cities and the water commissioners or selectmen of towns shall within sixty days after the termination of the exercise of any right taken under the provisions of this act estimate and determine, as near as may be, the actual damages sustained by any person by the taking of any water and of the right to use any land under this act; but any one aggrieved by such determination may have such damages assessed by a jury of the superior court, in the same manner as is provided by law with respect to damages sustained by the laying out of ways. If upon trial damages are increased beyond the amount determined as aforesaid, the aggrieved person shall recover costs, otherwise such person shall pay costs, and costs shall be taxed as in civil cases; but no suit or petition for such damages shall be brought after the expiration of two years from the date of the recording of the description and statement as aforesaid.

Section 4. The powers conferred upon and the duties to be performed by the city councils and mayors of cities under this act shall within those cities and towns using the metropolitan water supply be exercised by the metropolitan water and sewerage board.

[Chap. 341.]

An Act relative to the sale of articles of food and drink which contain antiseptic or preservative substances.

Section 1. Every article sold as an article or ingredient of food or drink that contains any added antiseptic or preservative substance, except common table salt, saltpetre, cane sugar, alcohol, vinegar, spices, and in smoked food the natural products of the smoking process, shall be deemed to be adulterated within the meaning of chapter three hundred and forty-four of the acts of the year eighteen hundred and ninety-seven, unless every package of such article sold or offered for sale bears a label on which are clearly indicated the presence and the percentage of every such antiseptic or preservative substance.

Section 2. The foregoing provision shall not apply to such portions of suitable preservative substances as are employed as a surface application for preserving dried fish or meat, or to such preservative substances as exist in animal or vegetable tissues as a natural component thereof, but shall apply to additional quantities.

Section 3. This act shall be construed as in addition to and not superseding or annulling any of the provisions of existing laws.

Section 4. Within sixty days after the passage of this act the state board of health shall take such measures as the board may deem sufficient to make the provisions of the act known to the persons who may be affected thereby.

Section 5. Goods held in stock by retail dealers prior to the date of taking effect of this act, if proved to have been so held, shall be exempt therefrom during the first year of the operation of this act.

Section 6. Section four of this act shall take effect upon its passage, and the remainder of the act shall take effect on the first day of January in the year nineteen hundred and two.

Reply of the State Board of Health to an Order of the Legislature relative to the Use of Salts of Copper, Aluminum and Zinc in connection with Food Products.

During the present session of the Legislature a bill was introduced providing for the prohibition of the use of the salts of copper, aluminum and zinc in the preparation of food products. After a public hearing upon the subject by the Committee on Public Health, and presentation of the bill to the Legislature, the following order was sent to the State Board of Health by the House of Representatives: —

Commonwealth of Massachusetts.

House of Representatives.
April 29, 1901.

Ordered, That the State Board of Health forthwith transmit to the House of Representatives, in writing, answers to the following questions: —

First: What articles of food or drink and what articles that enter into food or drink sold or offered for sale in this Commonwealth contain any salts of copper, and are said salts of copper in the combination specified deleterious to health?

Second: What articles of food or drink and what articles that enter into food or drink sold or offered for sale in this Commonwealth contain any salts of aluminum, and are said salts of aluminum in the combination specified deleterious to health?

Third: What articles of food or drink and what articles that enter into food or drink sold or offered for sale in this Commonwealth contain any salts of zinc, and are said salts of zinc in the combination specified deleterious to health?

JAMES W. KIMBALL,
Clerk.

A true Copy: Attest:

JAMES W. KIMBALL,
Clerk.

To these inquiries the Board replied as follows: —

First: Copper salts have been found by the Board in many instances in canned vegetables, mostly of French origin, the object of the addition being to give the vegetables a fine green color. The Board has examined a large number of samples in the last thirteen years, and in the year 1891 made a systematic examination of all the French brands procurable in the Commonwealth, with the following results: —

CHARACTER OF GOODS.	Number in which Copper was found.	Number free from Copper.	Total Samples examined.
French canned peas, ...	63	13	76
French canned string beans, . . .	10	4	14
French canned Brussels sprouts, . .	3	–	3
	76	17	93

The amount of copper found was as high in one instance as 2.75 grains per can and averaged about 2.00 grains.

The Board has taken the position that copper salts are deleterious to health and that their presence in food products cannot be permitted. Copper has also been found in some cases where its presence was doubtless accidental, as, for instance, in pickles or canned tomatoes which had been boiled or prepared in copper kettles.

Second: Salts of aluminum have been found by the Board in pickles (added, it is said, to give crispness), as an adulterant in cream of tartar, and as an essential ingredient in some baking powders. Its use in pickles is not at all common; its addition to

cream of tartar is to be regarded as a cheap substitute, since, like cream of tartar, it has leavening power when used with an alkaline bicarbonate.

When baking powders containing salts of aluminum are used for making bread, biscuits, cakes, etc., the aluminum compounds remain in the bread in a somewhat altered condition, but from the facts at its disposal the Board is unable to express a definite opinion whether bread and similar products, as ordinarily made with baking powders of this character, are deleterious to health.

Third: Zinc salts are very seldom found in food products in Massachusetts. Instances of the presence of zinc in dried apples were referable to the fact that the apples were dried on galvanized sheet iron.

The Board has investigated the question of the presence of zinc in drinking-water supplies, where galvanized iron pipes are used, first in 1874 and recently in 1899. Except in the case of the use of some ground waters, containing very large amounts of free carbonic acid which dissolves zinc and many other metals very freely, the amount of zinc found in ordinary water supplies, where galvanized pipes are used, is not sufficient, in the opinion of the Board, to give anxiety.

HENRY P. WALCOTT,
For the State Board of Health.

NOTICE!

ANNUAL RETURNS OF DEATHS.

Several boards of health (in cities and towns having more than 5,000 inhabitants by the last census) have not yet sent to the State Board of Health the returns required by chapter 218 of the Acts of 1894.

Will those Boards please to furnish these returns without further delay, in order that the annual summary may be made up for publication.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 1, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 22.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 1, 1901.

Deaths reported to the State Board of Health in 35 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	181	46	44	29	6	3	4
Worcester, ...	118,421	20	5	3	2	..	..	..
Fall River, ...	104,863	29	14	8	..	..	3	..
Lowell, ...	94,969	31	12	2	6	..	..	..
Cambridge, ...	91,886	29	8	9	4	..	..	2
Lynn, ...	68,513	10	1	2	..	..	..	..
Lawrence, ...	62,559	20	7	4	3	..	1	..
New Bedford, ...	62,442	19	8	5	3	..	1	..
Springfield, ...	62,059	17	4	3	..	..	..	..
Somerville, ...	61,643	11	3	2	2	..	..	1
Holyoke, ...	45,712	13	1	4	..	..	1	..
Brockton, ...	40,063	10	3	1	4	..	1	..
Haverhill, ...	37,175	9	1	2	..	..	..	1
Salem, ...	35,956	8	..	..	2	..	..	..
Chelsea, ...	34,072	7	..	1	..	..	..	..
Malden, ...	33,664	4	..	..	2	..	..	..
Newton, ...	33,587	8	1	3	..	..	..	1
Fitchburg, ...	31,531	9	1	2	1	..	..	..
Taunton, ...	31,036	12	1	4	2	..	..	..
Gloucester, ...	26,121	7	3	1	..	..	..	..
Everett, ...	24,336	6	1	3	1	1	..	..
North Adams, ...	24,200	6	3	..	..	..	..	..
Quincy, ...	23,899	9	3	1	1	..	..	..
Waltham, ...	23,481	5	1	1	2	..	..	..
Pittsfield, ...	21,766	3	..	..	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	6	3	..	..	..	..	..
Northampton, ...	18,643	3	1	..	..	..	..	..
Medford, ...	18,244	8	1	1	2	..	..	..
Newburyport, ...	14,478	3	..	1	..	..	..	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	1	..	1	..	..	..	..
Clinton, ...	13,667	4	2	1	..	..	..	..
Marlborough, ...	13,609	1	1	..	..	..	..	..
Hyde Park, ...	13,244	6	3	3	2	..	..	1
Melrose, ...	12,962	..	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Westfield, ...	12,310	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	4	..	2	..	..	..	..
Revere, ...	10,395	..	..	..	..	..	..	..
Southbridge, ...	10,025	1	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,901,131	520	138	114	68	7	10	10

Deaths from Prevalent Diseases in 35 Cities and Larger Towns of Massachusetts.

One hundred and fourteen deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 7; cerebro-spinal meningitis, 3; diphtheria and croup, 10; whooping-cough, 1; erysipelas, 2; typhoid fever, 6; puerperal fever, 2; diarrhœal diseases, 10.

No deaths were reported from small-pox or malarial fever.

There were 69 deaths from consumption, acute lung diseases, 68, still-births, 28.

From measles: Boston, 1; Worcester, 1; Cambridge, 2. From scarlet fever: Boston, 6; Everett, 1. From cerebro-spinal meningitis: Boston, Somerville and Gloucester, 1 each. From diphtheria and croup: Boston, 4; Cambridge, 2; Somerville, Haverhill, Newton and Hyde Park, 1 each. From whooping-cough: Boston, 1. From erysipelas: Boston and Lowell, 1 each. From typhoid fever: Boston, Fall River, Cambridge, Taunton, Everett and Beverly, 1 each. From puerperal fever: Boston, 2. From diarrhœal diseases: Boston, 3; Fall River, 3; Lawrence, New Bedford, Holyoke and Brockton, 1 each.

Deaths under five years of age numbered 138, as compared with 146 for the preceding week.

Deaths from the principal infectious diseases numbered 114, as compared with 127 for the preceding week.

The death rates for the week were Boston, 16.78; Worcester, 8.81; Fall River, 14.36; Lowell, 16.97; Cambridge, 16.39; Lynn, 7.54; Lawrence, 16.50; New Bedford, 16.93; Springfield, 14.06; Somerville, 9.22; Holyoke, 14.69; Brockton, 13.00; Haverhill, 12.65; Salem, 11.55; Chelsea, 10.71; Malden, 6.12; Newton, 12.23; Fitchburg, 14.61; Taunton, 12.23; Gloucester, 14.04; Everett, 13.00; North Adams, 13.00; Quincy, 19.50; Waltham, 11.30; Pittsfield, 7.09; Chicopee, 16.42; Northampton, 8.21; Medford, 23.10; Newburyport, 11.14; Woburn, ——; Beverly, 3.71; Clinton, 14.85; Marlborough, 3.70; Hyde Park, 23.97; Weymouth, 18.91; Southbridge, 5.20.

The total death rate for the week was 14.22, as compared with 15.89 and 15.13 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 1, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	67	Measles,	341
Diphtheria and croup,	152	Typhoid fever,	18
Small-pox,	8		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 1, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, May 26,	30.11	50	54	45	70	75	72	E.	S. E.	9	9		C.	O.			0.00
Monday, 27,	29.76	48	51	45	94	96	95	N. E.	N. E.	6	10		R.	R.			0.63
Tuesday, 28,	29.62	53	57	49	97	94	96	N. E.	S.	8	1		R.	O.			0.25
Wednesday, 29,	29.88	51	54	48	90	93	92	N. E.	E.	18	15		O.	R.			T
Thursday, 30,	29.88	48	51	46	97	93	95	N. E.	E.	8	5		O.	O.			T
Friday, 31,	29.81	60	69	51	90	83	86	S. W.	S. W.	8	6		O.	O.			0.01
Saturday, June. 1,	29.83	52	54	49	100	95	98	N. E.	N.	11	8		R.	R.			T
Week,	29.84		56	48			91										89

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 8, 1901.

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VOL. XIX. No. 23.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 8, 1901.

Deaths reported to the State Board of Health in 38 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	202	56	58	23	5	5	7
Worcester, ...	118,421	23	9	2	3	..	..	..
Fall River, ...	104,863	25	9	5	2	..	2	..
Lowell, ...	94,969	31	11	5	9	..	..	2
Cambridge, ...	91,886	26	5	4	3	..	..	..
Lynn, ...	68,513	23	7	3	..	..	..	..
Lawrence, ...	62,559	15	8	4	1	..	..	1
New Bedford, ...	62,442	21	8	6	1	..	..	..
Springfield, ...	62,059	10	1	2	1	..	..	..
Somerville, ...	61,643	12	4	2	2	..	..	..
Holyoke, ...	45,712	10	6	3	1	..	..	..
Brockton, ...	40,063	8	3	1	..	..	..	..
Haverhill, ...	37,175	7	..	2	1	..	..	..
Salem, ...	35,956	10	..	4	..	..	..	..
Chelsea, ...	34,072	11	4	1	..	1	..	..
Malden, ...	33,664	9	1	3	3	..	1	..
Newton, ...	33,587	6	..	..	..	..	..	..
Fitchburg, ...	31,531	12	2	1	1	..	..	..
Taunton, ...	31,036	12	4	1	1	..	..	..
Gloucester, ...	26,121	3	..	..	..	..	..	..
Everett, ...	24,336	4	..	..	1	..	..	..
North Adams, ...	24,200	5	1	..	..	..	..	..
Quincy, ...	23,899	9	2	2	2	..	..	..
Waltham, ...	23,481	4	..	1	..	..	..	..
Pittsfield, ...	21,766	3	..	2	..	..	..	1
Brookline, ...	19,935	4	..	2	..	2	..	..
Chicopee, ...	19,167	8	3	3	2	..	..	..
Northampton, ...	18,643	6	2	2	..	..	..	..
Medford, ...	18,244	5	2	1	1	..	..	..
Newburyport, ...	14,478	3	..	1	..	..	..	..
Woburn, ...	14,254	7	2	2	1	..	..	..
Beverly, ...	13,884	1	..	1	..	..	..	..
Clinton, ...	13,667	8	2	3	2	..	..	..
Marlborough, ...	13,609	6	2	3	..	..	..	1
Hyde Park, ...	13,244	2	..	..	..	..	..	..
Melrose, ...	12,962	..	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Westfield, ...	12,310	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Framingham, ...	11,302	5	..	..	1	..	..	..
Revere, ...	10,395	3	1	1	..	..	..	..
Southbridge, ...	10,025	1	1	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,945,693	560	156	132	62	8	8	12

Deaths from Prevalent Diseases in 38 Cities and Larger Towns of Massachusetts.

One hundred and thirty-two deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 8; cerebro-spinal meningitis, 6; diphtheria and croup, 12; whooping-cough, 4; erysipelas, 3; typhoid fever, 4; diarrhœal diseases, 8; small-pox, 1.

No deaths were reported from influenza, malarial or puerperal fevers.

There were 83 deaths from consumption, acute lung diseases, 62, still-births, 58.

From measles: Boston, 3. From scarlet fever: Boston, 5; Chelsea, 1; Brookline, 2. From cerebro-spinal meningitis: Fall River, 1; Lynn, 2; New Bedford, Somerville and Brockton, 1 each. From diphtheria and croup: Boston, 7; Lowell, 2; Lawrence, Pittsfield and Marlborough, 1 each. From whooping-cough: Boston, 1; Holyoke, 2; Quincy, 1. From erysipelas: Lowell, 1; Medford, 1; Southbridge, 1. From typhoid fever: Boston, 2; Salem and Newburyport, 1 each. From diarrhœal diseases: Boston, 5; Fall River, 2; Malden, 1. From small-pox, New Bedford, 1.

Deaths under five years of age numbered 156, as compared with 138 for the preceding week.

Deaths from the principal infectious diseases numbered 132, as compared with 114 for the preceding week.

The death rates for the week were, Boston, 18.72; Worcester, 10.14; Fall River, 12.38; Lowell, 16.97; Cambridge, 14.70; Lynn, 17.33; Lawrence, 12.38; New Bedford, 17.05; Springfield, 8.50; Somerville, 10.40; Holyoke, 11.28; Brockton, 10.40; Haverhill, 10.83; Salem, 14.45; Chelsea, 16.82; Malden, 13.76; Newton, 9.17; Fitchburg, 19.50; Taunton, 20.12; Gloucester, 6.00; Everett, 8.66; North Adams, 10.85; Quincy, 19.50; Waltham, 9.05; Pittsfield, 7.09; Brookline, 10.40; Chicopee, 21.89; Northampton, 16.43; Medford, 14.44; Newburyport, 11.14; Woburn, 26.00; Beverly, 3.71; Clinton, 29.70; Marlborough, 22.28; Hyde Park, 7.28; Framingham, 22.72; Revere, 15.60; Southbridge, 5.20.

The total death rate for the week was 14.96, as compared with 14.22 and 15.98 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 8, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	80	Measles,	345
Diphtheria and croup,	163	Typhoid fever,	34
Small-pox,	40		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 8, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 2,	29.90	54	60	49	87	83		85	N. W.	S.	2	7		O.	O.			T
Monday, 3,	29.80	64	74	54	86	54		70	S. W.	W.	10	12		F.	O.			0.00
Tuesday, 4,	29.85	66	79	53	60	55		58	W.	W.	12	10		C.	F.			0.00
Wednesday, 5,	29.99	72	85	59	53	46		50	W.	S. W.	7	14		C.	O.			0.00
Thursday, 6,	29.96	76	87	65	60	54		57	S. W.	S. W.	10	16		C.	C.			0.00
Friday, 7,	29.82	70	77	64	83	92		88	S.	S.	14	17		O.	R.			0.08
Saturday, 8,	29.78	62	68	56	63	55		59	W.	W.	13	16		C.	C.			0.29
Week,	29.87		76	57				67										0.37

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of May, 1901.

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	476	49	525	Canned Goods, .	..	..	..
Butter, . . .	1	..	1	Honey, . . .	2	1	3
Cheese, . . .	4	..	4	Tea, . . .	6	..	6
Lard, . . .	1	..	1	Coffee, . . .	13	3	16
Olive Oil, . . .	..	..	..	Cocoa & Chocolate,	2	1	3
Vinegar, . . .	..	..	..	Confectionery, .	5	..	5
Spices, . . .	113	31	144	Other articles of Food and Drinks,	..	..	..
Cream of Tartar, .	30	..	30	Extract of Lemon, .	1	38	39
Molasses, . . .	1	..	1	Extract of Vanilla, .	5	28	33
Syrups, . . .	..	..	..	Miscellaneous, .	3	3	6
Maple Sugar, . .	4	2	6				
Maple Syrup, . .	7	..	7				
				Totals, . .	674	156	830

Percentage of adulteration, 18.8. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 9.3 per cent., as compared with 8.6 per cent. for the preceding month, while the percentage of other articles of food found to be adulterated was 35.0.

Seven complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. Fines were imposed amounting to $135.70. Of 39 samples of "Extract of Lemon" examined, but one was found up to the standard. Of 33 samples of "Extract of Vanilla" examined, 28 were found to be adulterated.

The samples of drugs found to be adulterated were Capsicum, Caryophyllus, Glycerinum, Oleum Olivæ, Sodii Boras, Sodii Phosphas, Sulphur Lotum, Sulphur Præcipitatum, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Worcester, Lowell, Cambridge, Brockton, Newton, Fall River, Waltham, Medford, Milton, Everett, Somerville, Springfield, Westfield, Malden, Holyoke, Taunton, Lawrence, Arlington, Winthrop, Concord, Bedford, Billerica, Falmouth, Weymouth, Natick, Plymouth, Gloucester, Newburyport, Weston, Wayland, Revere, Canton, Stoughton, Dedham, Milford, Westborough.

ATTENTION

Is again called to the danger of using remedies containing **cocaine** as an active ingredient. The insidious character of this drug is such that the user often unconsciously becomes the victim of an incurable habit.

In a former report of the board the following statement was quoted from the United States Dispensatory : —

"The danger in using remedies containing cocaine consists in the liability to the formation of a cocaine habit. Instances have been cited in which persons purchasing this remedy have used a half-dozen bottles per day, with the result of producing permanent injury to health. According to the U. S. Dispensatory, the habitual use of cocaine 'readily grows upon the individual, and the inveterate user can be recognized by his uncertain step, general apathy, sunken eyes, trembling lips, fetid breath, etc. Incurable insomnia is apt to be developed, emaciation becomes extreme, dropsy appears and even death results. Poisoning and even death have resulted both from its internal administration and its local use.'"

The following articles have been found by the Analyst of the Board to contain cocaine as an active ingredient :

Dr. Birney's Catarrh Powder.
Instant Cold Relief, Taunton, Mass.
Dr. N. Tucker's Specific for Asthma, Mt. Gilead, Ohio.
Azmasyde, The Asthma Remedy & Mfg. Co., Boston.

In consequence of frequent requests for copies of the general food law of 1897, the act is here published in full for general information.

[Acts of 1897, Chapter 344.]

An Act relative to the Adulteration of Food.

Section 1. No person shall within this Commonwealth manufacture for sale, offer for sale, or sell any article of food which is adulterated within the meaning of this act.

Section 2. The term "food" as used herein, shall include all articles used in food or drink by man, whether simple, mixed or compound.

Section 3. An article shall be deemed to be adulterated within the meaning of this act in the case of food : — 1. If any substance or substances have been mixed with it, so as to lower or depreciate or injuriously affect its quality, strength or purity. 2. If any inferior or cheaper substance or substances have been substituted wholly or in part for it. 3. If any valuable or necessary constituents or ingredient have been wholly or in part taken from it. 4. If it is in imitation of or is sold under the name of another article. 5. If it consists wholly or in part of a diseased, decomposed, putrid, tainted or rotten animal or vegetable substance or article, whether manufactured or not, or, in the case of milk, if it is produced from a diseased animal. 6. If it is colored, coated, polished or powdered in such a manner as to conceal its damaged or inferior condition, or if by any means it is made to appear better, or of greater value, than it really is. 7. If it contains any added substance or ingredient which is poisonous or injurious to health : *provided*, that the provisions of this act shall not apply to mixtures or compounds recognized as ordinary articles or ingredients of articles of food, if every package sold or offered for sale is distinctly labelled as a mixture or compound, with the name and per cent. of each ingredient therein, and if such mixtures or compounds are not injurious to health.

Section 4. No person shall offer for sale any canned articles of food after the first day of January in the year eighteen hundred and ninety-eight, except goods packed prior to the passage of this act, unless such articles bear a mark to indicate the grade or quality thereof, together with the name and address of the person, firm or corporation which packed the same, or of the dealer who sells the same.

Section 5. All canned articles of food prepared from dried products which have been soaked before canning shall be plainly marked by an adhesive label, having on its face the word "soaked," in letters not less in size than two line pica, of legible type ; and all cans, jugs and other packages containing maple syrup or molasses shall be plainly marked by an adhesive label, having on its face the name and address of the person, firm or corporation which made or prepared the same, together with the name and quality of the ingredients of the goods, in letters of the size and description above specified.

Section 6. Any person, firm, or corporation falsely stamping or labelling any cans, jars or other packages, containing fruit, or food of any kind, or knowingly permitting such false stamping or labelling, and any person, firm or corporation violating any of the provisions of this act, shall be deemed guilty of a misdemeanor, and shall be punished by a fine of not less than ten dollars nor more than one hundred dollars in the case of vendors, and in the case of manufacturers and those falsely or fraudulently stamping or labelling such cans, jars or other packages, by a fine of not less than one hundred dollars nor more than five hundred dollars.

Section 7. All acts and parts of acts inconsistent herewith are hereby repealed.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 15, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 24.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 15, 1901.

Deaths reported to the State Board of Health in 34 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	171	44	52	22	5	5	6
Worcester, ...	118,421	29	5	8	1	..	1	..
Fall River, ...	104,863	26	8	1	7	..	1	..
Lowell, ...	94,969	33	8	6	3	..	..	3
Cambridge, ...	91,886	20	4	6	2	..	1	2
Lynn, ...	68,513	15	3	4	1	1	..	1
Lawrence, ...	62,559	8	2	1	1	..	..	..
New Bedford, ...	62,442	26	8	10	1	..	1	..
Springfield, ...	62,059	12	1	..	..	..	..	..
Somerville, ...	61,643	..	..	..	..	..	..	..
Holyoke, ...	45,712	3	..	..	..	..	..	..
Brockton, ...	40,063	3	2	1	..	..	..	..
Haverhill, ...	37,175	7	2	4	..	..	..	1
Salem, ...	35,956	7	2	1	..	..	..	..
Chelsea, ...	34,072	11	4	2	..	1	..	..
Malden, ...	33,664	7	2	1	1	..	..	..
Newton, ...	33,587	6	1	2	..	..	..	1
Fitchburg, ...	31,531	4	1	..	1	..	..	..
Taunton, ...	31,036	4	..	1	..	..	..	..
Gloucester, ...	26,121	7	..	..	..	..	..	..
Everett, ...	24,336	8	3	1	1	..	..	..
North Adams, ...	24,200	4	2	1	..	..	..	..
Quincy, ...	23,899	4	2	1	..	..	..	..
Waltham, ...	23,481	5	2	1	..	..	1	..
Pittsfield, ...	21,766	3	..	..	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	6	1	..	1	..	..	..
Northampton, ...	18,643	4	..	2	..	..	..	..
Medford, ...	18,244	4	2	3	..	..	..	..
Newburyport, ...	14,478	4	1	..	1	..	..	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	..	..	..	..	..	..	..
Clinton, ...	13,667	1	..	..	..	..	..	..
Marlborough, ...	13,609	5	2	..	..	..	..	..
Hyde Park, ...	13,244	1	..	..	..	..	..	..
Melrose, ...	12,962	..	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	4	..	1	..	..	..	1
Framingham, ...	11,302	..	..	..	..	..	..	..
Revere, ...	10,395	3	1	..	1	..	..	..
Southbridge, ...	10,025	1	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,835,999	456	113	111	44	7	10	15

Deaths from Prevalent Diseases in 34 Cities and Larger Towns of Massachusetts.

One hundred and eleven deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 7; cerebro-spinal meningitis, 3; diphtheria and croup, 15; whooping-cough, 3; erysipelas, 2; typhoid fever, 6; diarrhœal diseases, 10; small-pox, 5.

No deaths were reported from puerperal or malarial fevers.

There were 56 deaths from consumption, acute lung diseases, 44, still-births, 37.

From measles: Boston, 2; New Bedford and Medford, 1 each. From scarlet fever: Boston, 5; Lynn and Chelsea, 1 each. From cerebro-spinal meningitis: Boston, Worcester and Brockton, 1 each. From diphtheria and croup: Boston, 6; Lowell, 3; Cambridge, 2; Lynn, Haverhill, Newton and Weymouth, 1 each. From whooping-cough: Boston, 2; Quincy, 1. From erysipelas: Boston and Salem, 1 each. From typhoid fever: Boston, 3; Worcester, Lowell, New Bedford, 1 each. From diarrhœal diseases: Boston 5; Worcester, Fall River, Cambridge, New Bedford and Waltham, 1 each. From small-pox: Worcester, 2; New Bedford, 3.

Deaths under five years of age numbered 113, as compared with 156 for the preceding week.

Deaths from the principal infectious diseases numbered 111, as compared with 132 for the preceding week.

The death rates for the week were, Boston, 15.84; Worcester, 12.78; Fall River, 12.88; Lowell, 18.06; Cambridge, 11.30; Lynn, 11.28; Lawrence, 6.60; New Bedford, 21.48; Springfield, 10.40; Holyoke, 3.38; Brockton, 7.50; Haverhill, 9.88; Salem, 10.10; Chelsea, 16.82; Malden, 10.71; Newton, 9.18; Fitchburg, 6.59; Taunton, 6.50; Gloucester, 12.00; Everett, 17.32; North Adams, 8.68; Quincy, 8.65; Waltham, 11.35; Pittsfield, 7.07; Chicopee, 16.42; Northampton, 10.87; Medford, 11.55; Newburyport, 14.85; Clinton, 3.71; Marlborough, 18.56; Hyde Park, 4.00; Weymouth, 18.90; Revere, 15.60; Southbridge, 5.20.

The total death rate for the week was 14.90, as compared with 14.96 and 14.22 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 15, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	79	Measles,	320
Diphtheria and croup,	169	Typhoid fever,	22
Small-pox,	7		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 15, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 9,	29.87	58	66	50	57	56		56	W.	W.	16	5		F.	O.			T
Monday, . . 10,	20.02	64	75	53	56	43		50	N. W.	W.	18	12		C.	C.			0.00
Tuesday, . . 11,	30.12	68	80	57	60	41		50	N. W.	S. W.	8	11		F.	C.			0.00
Wednesday, . 12,	30.10	70	79	62	60	63		62	W.	E.	5	4		C.	C.			0.00
Thursday, . . 13,	30.22	67	74	60	59	48		54	N. E.	S.	6	12		C.	C.			0.00
Friday, . . 14,	29.96	70	80	60	78	83		80	S. W.	S. W.	14	13		C.	C.			0.00
Saturday, . . 15,	30.14	62	73	51	88	81		84	N. E.	E.	20	3		O.	O.			0.00
Week, . . .	30.06		75	56				62										0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 22, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 25.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 22, 1901.

Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	560,892	169	52	47	12	2	2	9
Worcester,	118,421	35	6	5	3	..	..	..
Fall River,	104,863	23	10	5	3	..	4	..
Lowell,	94,969	25	5	6	3	..	..	2
Cambridge,	91,886	26	10	5	2	..	..	1
Lynn,	68,513	18	..	4	2	1	..	2
Lawrence,	62,559	13	6	1	1	..	..	..
New Bedford,	62,442	22	4	7	2	..	..	..
Springfield,	62,059	..	..	..	..	..	..	..
Somerville,	61,643	9	2	4	1	..	..	..
Holyoke,	45,712	16	2	4	..	..	..	1
Brockton,	40,063	11	2	4	1	..	..	1
Haverhill,	37,175	4	1	2	..	..	..	1
Salem,	35,956	13	1	..	..	..	..	..
Chelsea,	34,072	9	2	2	..	..	..	2
Malden,	33,664	5	1	1	2	..	..	..
Newton,	33,587	7	3	..	1	..	..	..
Fitchburg,	31,531	8	2	3	1	..	..	..
Taunton,	31,036	8	1	..	1	..	..	..
Gloucester,	26,121	4	..	..	..	..	..	..
Everett,	24,336	5	2	2	1	..	..	..
North Adams,	24,200	6	2	..	..	..	..	..
Quincy,	23,899	4	..	1	..	..	..	..
Waltham,	23,481	6	..	1	..	..	..	..
Pittsfield,	21,766	5	..	1	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	5	2	2	..	..	..	..
Northampton,	18,643	7	2	1	..	..	..	..
Medford,	18,244	5	3	3	1	2	..	..
Newburyport,	14,478	5	2	..	..	..	..	..
Woburn,	14,254	4	2	..	..	..	..	..
Beverly,	13,884	3	..	..	..	..	..	..
Clinton,	13,667	1	..	..	..	..	..	..
Marlborough,	13,609	3	..	1	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	..	..	..	..	..	..	..
Framingham,	11,302	..	..	..	..	..	..	..
Revere,	10,395	..	..	..	..	..	..	..
Southbridge,	10,025	1	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,818,733	485	125	112	37	5	6	19

Deaths from Prevalent Diseases in 33 Cities and Larger Towns of Massachusetts.

One hundred and twelve deaths were reported from the principal infectious diseases: measles, 5; scarlet fever, 5; cerebro-spinal meningitis, 3; diphtheria and croup, 19; whooping-cough, 2; erysipelas, 2; typhoid fever, 2; diarrhœal diseases, 6; small-pox, 1.

No deaths were reported from malarial or puerperal fevers, or influenza.

From measles: Boston, 4; Medford, 1. From scarlet fever: Boston, 2; Lynn, 1; Medford, 2. From cerebro-spinal meningitis: Boston, Worcester and Somerville, 1 each. From diphtheria and croup: Boston, 9; Lowell, Lynn and Chelsea, 2 each; Cambridge, Holyoke, Brockton and Haverhill, 1 each. From whooping-cough: Boston and Cambridge, 1 each. From erysipelas: New Bedford and Holyoke, 1 each. From typhoid fever: Boston and Malden, 1 each. From diarrhœal diseases: Boston, 2; Fall River, 4. From small-pox: New Bedford, 1.

Deaths under five years of age numbered 125, as compared with 113 for the preceding week.

Deaths from the principal infectious diseases numbered 112, as compared with 110 for the preceding week.

The death rates for the week were, Boston, 15.60; Worcester, 15.60; Fall River, 11.38; Lowell, 14.28; Cambridge, 15.70; Lynn, 13.52; Lawrence, 10.42; New Bedford, 10.86; Springfield, ——; Somerville, 8.55; Holyoke, 18.09; Brockton, 14.30; Haverhill, 5.62; Salem, 18.78; Chelsea, 13.76; Malden, 7.65; Newton, 10.70; Fitchburg, 13.18; Taunton, 13.40; Gloucester, 8.00; Everett, 16.80; North Adams, 12.89; Quincy, 8.74; Waltham, 13.33; Pittsfield, 11.98; Chicopee, 13.62 Northampton, 19.57; Medford, 14.28; Newburyport, 18.05; Woburn, 11.30; Clinton, 3.79; Marlborough, 11.44; Southbridge, 5.20.

The total death rate for the week was 13.83, as compared with 14.90 and 14.96 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 22, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	69	Measles,	267
Diphtheria and croup,	179	Typhoid fever,	29
Small-pox,	17		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 22, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 16,	30.09	58	66	49	71	58	64	N. E.	S. W.	12	12		C.	C.			0.00
Monday, 17,	30.02	64	77	52	50	49	50	N. W.	S.	4	14		C.	C.			0.00
Tuesday, 18,	30.00	66	77	56	54	44	49	S. W.	S.	8	8		C.	C.			0.00
Wednesday, 19,	30.08	61	66	56	51	71	61	S. E.	S. E.	4	6		C.	C.			0.00
Thursday, 20,	30.19	67	76	58	68	68	68	S. W.	S.	9	12		O.	O.			0.00
Friday, 21,	30.06	70	78	61	80	82	81	S. W.	S.	12	10		O.	C.			0.04
Saturday, 22,	29.89	70	76	64	91	91	91	S. W.	E.	10	3		†R.	O.			0.49
Week,	30.05		74	57			66										0.53

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.
† Thunderstorm.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, June 29, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 26.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 29, 1901.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Prineipal Infeetious Diseases.	Aeute Lung Diseases.	Searlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	560,892	202	65	37	14	2	3	5
Worcester,	118,421	40	9	8	2	..	2	..
Fall River,	104,863	35	11	10	..	..	9	..
Lowell,	94,969	36	16	8	5	..	2	3
Cambridge,	91,886	14	4	4	2	..	..	..
Lynn,	68,513	21	5	6	1	..	..	2
Lawrence,	62,559	26	13	6	1	..	2	2
New Bedford,	62,442	14	6	1	2	..	..	..
Springfield,	62,059	16	..	2	1	..	..	..
Somerville,	61,643	8	3	1	..	..	..	1
Holyoke,	45,712	18	6	7	2	..	3	..
Brockton,	40,063	9	3	..	1	..	..	..
Haverhill,	37,175	9	..	3	..	..	..	..
Salem,	35,956	13	5	3	..	..	..	1
Chelsea,	34,072	10	2	..	..	..	..	..
Malden,	33,664	11	3	1	..	..	..	..
Newton,	33,587	3	..	1	..	..	..	..
Fitchburg,	31,531	7	3	..	..	..	..	..
Taunton,	31,036	13	1	2	..	..	..	..
Gloucester,	26,121	4	..	..	..	..	..	..
Everett,	24,336	6	..	..	..	..	..	..
North Adams,	24,200	6	2	1	2	..	..	..
Quincy,	23,899	10	2	1	..	..	1	..
Waltham,	23,481	8	1	4	1	..	..	..
Pittsfield,	21,766	5	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	4	1	1	..	..	..	..
Northampton,	18,643	4	..	..	..	..	..	..
Medford,	18,244	10	3	1	2	..	1	..
Newburyport,	14,478	8	1	..	..	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	5	3	..	..	..	..	..
Clinton,	13,667	4	1	..	..	..	..	..
Marlborough,	13,609	3	1	..	1	..	..	..
Hyde Park,	13,244	5	..	..	1	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	1	..	1	..	..	..	..
Framingham,	11,302	1	..	..	..	..	..	..
Revere,	10,395	4	1	2	..	..	..	..
Southbridge,	10,025	5	3	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infeetious Diseases.	Aeute Lung Diseases.	Searlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,922,828	598	174	111	38	2	23	14

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and eleven deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 2; cerebro-spinal meningitis, 4; diphtheria and croup, 14; whooping-cough, 3; erysipelas, 1; typhoid fever, 3; puerperal fever, 1; diarrhœal diseases, 23; small-pox, 1.

No deaths were reported from malarial fever, or influenza.

There were 57 deaths from consumption, acute lung diseases, 38, still-births, 32.

From measles: Boston, 2. From scarlet fever: Boston, 2. From cerebro-spinal meningitis: Boston, Worcester, Lynn and Waltham, 1 each. From diphtheria and croup: Boston, 5; Lowell, 3; Lynn, 2; Lawrence, 2; Somerville and Salem, 1 each. From whooping-cough: Lowell, 1; Holyoke, 2. From erysipelas: Boston, 1. From typhoid fever: Boston, Fall River and Lynn, 1 each. From puerperal fever: Boston, 1. From diarrhœal diseases: Boston, 3; Worcester, 2; Fall River, 9; Lowell, 2; Lawrence, 2; Holyoke, 3; Quincy and Medford, 1 each. From small-pox: Worcester, 1.

Deaths under five years of age numbered 174, as compared with 125 for the preceding week.

Deaths from the principal infectious diseases numbered 111, as compared with 112 for the preceding week.

The death rates for the week were, Boston, 18.72; Worcester, 17.57; Fall River, 15.87; Lowell, 19.71; Cambridge, 7.93; Lynn, 15.91; Lawrence, 21.63; New Bedford, 11.66; Springfield, 13.41; Somerville, 10.40; Holyoke, 20.48; Brockton, 11.70; Haverhill, 12.65; Salem, 18.77; Chelsea, 15.60; Malden, 17.02; Newton, 4.62; Fitchburg, 11.55; Taunton, 21.84; Gloucester, 8.00; Everett, 12.84; North Adams, 12.89; Quincy, 17.33; Waltham, 18.15; Pittsfield, 11.91; Chicopee, 10.95; Northampton, 11.18; Medford, 28.55; Newburyport, 29.09; Beverly, 18.70; Clinton, 15.29; Marlborough, 11.46; Weymouth, 5.20; Framingham, 4.60; Revere, 19.97; Southbridge, 26.00.

The total death rate for the week was 16.17, as compared with 13.83 and 14.93 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending June 29, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	52	Measles,	265
Diphtheria and croup,	141	Typhoid fever,	23
Small-pox,	7		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 29, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 23,	29.66	66	72	60	95	95	95	S. E.	N.	2	15	G.	O.		0.18
Monday, 24,	29.83	68	76	60	93	84	88	N.	E.	6	4	O.	R.		0.02
Tuesday, 25,	30.01	70	80	60	79	66	72	N. W.	S.	6	8	O.	C.		0.09
Wednesday, 26,	30.11	78	87	68	62	64	63	N.	S. W.	6	14	O.	C.		0.00
Thursday, 27,	29.98	82	92	71	66	66	66	W.	S. W.	5	12	C.	C.		0.00
Friday, 28,	29.87	85	97	73	75	73	74	W.	S.	15	9	C.	C.		0.00
Saturday, 29,	29.80	83	92	74	76	74	75	S. W.	S. W.	7	15	C.	C.		0.00
Week,	29.89		85	67			76								0.29

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 6, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 27.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 6, 1901.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	247	67	61	10	3	10	7
Worcester, ...	118,421	49	11	12	1	..	8	1
Fall River, ...	104,863	33	12	4	..	..	2	..
Lowell, ...	94,969	50	17	9	1	..	4	2
Cambridge, ...	91,886	31	14	9	..	..	5	1
Lynn, ...	68,513	14	3	2	..	..	..	2
Lawrence, ...	62,559	26	11	8	3	..	4	2
New Bedford, ...	62,442	13	4	1	1	..	..	..
Springfield, ...	62,059	18	..	6	1	..	4	..
Somerville, ...	61,643	20	5	3	2	..	..	..
Holyoke, ...	45,712	26	11	10	..	..	7	..
Brockton, ...	40,063	4	2	2	..	..	..	1
Haverhill, ...	37,175	11	2	1	1	..	..	..
Salem, ...	35,956	8	..	2	1	..	..	1
Chelsea, ...	34,072	13	2	2	..	1	..	..
Malden, ...	33,664	6	2	1	..	..	..	..
Newton, ...	33,587	13	3	..	2	..	..	..
Fitchburg, ...	31,531	..	..	..	..	..	..	..
Taunton, ...	31,036	8	..	..	1	..	..	..
Gloucester, ...	26,121	4	1	2	..	..	..	..
Everett, ...	24,336	9	1	1	2	..	..	..
North Adams, ...	24,200	5	1	1	..	..	..	..
Quincy, ...	23,899	4	..	..	..	..	..	..
Waltham, ...	23,481	7	..	4	..	..	..	1
Pittsfield, ...	21,766	4	..	..	1	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	8	3	2	..	..	1	..
Northampton, ...	18,643	10	..	..	..	..	..	..
Medford, ...	18,244	5	..	..	1	..	..	..
Newburyport, ...	14,478	4	..	1	..	..	..	..
Woburn, ...	14,254	6	1	..	..	..	..	..
Beverly, ...	13,884	5	1	2	..	2	..	..
Clinton, ...	13,667	2	..	..	..	..	..	..
Marlborough, ...	13,609	3	1	2	..	..	..	..
Hyde Park, ...	13,244	4	..	1	..	..	..	..
Melrose, ...	12,962	..	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	0	..	..	..	..	..	..
Framingham, ...	11,302	2	1	1	..	..	..	..
Revere, ...	10,395	1	..	..	..	..	..	..
Southbridge, ...	10,025	3	1	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,905,551	676	177	151	28	6	45	18

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and fifty-one deaths were reported from the principal infectious diseases: measles, 10; scarlet fever, 6; cerebro-spinal meningitis, 5; diphtheria and croup, 18; whooping-cough, 5; erysipelas, 4; typhoid fever, 4; puerperal fever, 1; diarrhœal diseases, 45; small-pox, 1.

No deaths were reported from malarial fever, or influenza.

There were 52 deaths from consumption, acute lung diseases, 28, still-births, 40.

From measles: Boston, 6; Cambridge, 2; Lowell and Malden, 1 each. From scarlet fever: Boston, 3; Beverly, 2; Chelsea, 1. From cerebro-spinal meningitis: Boston, 2; Somerville, Marlborough and Southbridge, 1 each. From diphtheria and croup: Boston, 7; Lowell, Lynn and Lawrence, 2 each; Worcester, Cambridge, Brockton, Salem and Waltham, 1 each. From whooping-cough: Boston, Cambridge and Springfield, 1 each; Holyoke, 2. From erysipelas: Boston, 4. From typhoid fever: Boston, Fall River, Gloucester and Chicopee, 1 each. From puerperal fever: Boston, 1. From diarrhœal diseases: Boston, 10; Worcester, 8; Cambridge, 5; Holyoke, 7; Lowell, Lawrence and Springfield, 4 each; Chicopee, 1; Fall River, 2. From small-pox: Worcester, 1.

Deaths under five years of age numbered 177, as compared with 174 for the preceding week.

Deaths from the principal infectious diseases numbered 151, as compared with 111 for the preceding week.

The death rates for the week were, Boston, 22.88; Worcester, 21.53; Fall River, 16.33; Lowell, 27.35; Cambridge, 17.52; Lynn, 10.60; Lawrence, 21.63; New Bedford, 10.87; Springfield, 15.08; Somerville, 16.85; Holyoke, 29.59; Brockton, 5.20; Haverhill, 15.39; Salem, 11.55; Chelsea, 19.86; Malden, 8.25; Newton, 20.12; Taunton, 13.42; Gloucester, 7.95; Everett, 19.24; North Adams, 10.76; Quincy, 8.68; Waltham, 15.50; Pittsfield, 9.52; Chicopee, 21.63; Northampton, 27.92; Medford, 14.25; Newburyport, 14.45; Woburn, 21.91; Beverly, 18.72; Clinton, 7.59; Marlborough, 11.50; Hyde Park, 15.75; Weymouth, ——; Framingham, 9.20; Revere, 5.00; Southbridge, 15.60.

The total death rate for the week was 18.40, as compared with 16.17 and 13.83 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 6, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	71	Measles,	298
Diphtheria and croup,	107	Typhoid fever,	28
Small-pox,	17		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 6, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, June 30,	29.83	83	93	73	65	50	58	W.	S. W.	10	7	C.	C.		0.12
Monday, July 1,	29.98	84	92	76	49	54	52	W.	W.	10	6	C.	O.		0.00
Tuesday, 2,	29.96	83	95	71	48	69	58	S. E.	S. W.	8	14	C.	O.		0.06
Wednesday, 3,	29.82	86	96	75	67	55	61	W.	S. E.	12	5	O.	C.		0.00
Thursday, 4,	29.87	71	75	67	63	69	66	E.	S. E.	7	9	C.	O.		0.00
Friday, 5,	29.83	68	72	64	92	85	88	E.	E.	6	6	O.	O.		0.11
Saturday, 6,	29.85	64	66	61	92	100	96	S. E.	N. E.	8	8	O.	G.		0.11
Week,	29.88		84	70			68								0.40

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 13, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

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MORTALITY OF MASSACHUSETTS

For the Week ending July 13, 1901.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	187	50	51	10	8	7	5
Worcester, ...	118,421	38	19	17	..	..	11	1
Fall River, ...	104,863	40	19	15	1	..	12	..
Lowell, ...	94,969	31	14	10	2	..	4	..
Cambridge, ...	91,886	19	9	5	3	..	..	..
Lynn, ...	68,513	19	2	3	..	..	..	..
Lawrence, ...	62,559	16	8	6	..	..	3	..
New Bedford, ...	62,442	24	12	8	..	..	7	..
Springfield, ...	62,059	15	6	2	1	..	1	..
Somerville, ...	61,643	12	2	3	..	..	..	..
Holyoke, ...	45,712	16	11	4	1	..	4	..
Brockton, ...	40,063	5	..	..	..	..	..	..
Haverhill, ...	37,175	7	1	1	..	..	..	..
Salem, ...	35,956	8	2	3	..	3	..	..
Chelsea, ...	34,072	9	3	3	..	..	..	1
Malden, ...	33,664	4	1	2	..	..	1	..
Newton, ...	33,587	6	1	1	1	..	1	..
Fitchburg, ...	31,531	6	2	2	..	..	..	1
Taunton, ...	31,036	10	2	1	2	..	..	..
Gloucester, ...	26,121	..	..	..	..	..	..	..
Everett, ...	24,336	6	1	2	1	..	..	..
North Adams, ...	24,200	5	3	1	..	..	..	..
Quincy, ...	23,899	6	3	4	..	..	3	..
Waltham, ...	23,481	5	1	2	..	..	..	..
Pittsfield, ...	21,766	4	..	..	1	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	4	2	1	..	..	1	..
Northampton, ...	18,643	8	2	2	..	..	..	..
Medford, ...	18,244	4	1	1	1	..	..	..
Newburyport, ...	14,478	..	..	..	..	..	..	..
Woburn, ...	14,254	3	2	1	..	..	..	..
Beverly, ...	13,884	6	..	6	..	3	..	..
Clinton, ...	13,667	5	2	..	..	..	..	..
Marlborough, ...	13,609	4	..	1	..	..	..	..
Hyde Park, ...	13,244	4	1	3	..	..	1	..
Melrose, ...	12,962	3	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	1	..	..	..	..	..	..
Framingham, ...	11,302	2	..	..	..	..	..	..
Revere, ...	10,395	2	..	..	..	..	..	..
Southbridge, ...	10,025	1	..	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,909,445	543	182	162	24	14	56	8

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and sixty-two deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 14; cerebro-spinal meningitis, 5; diphtheria and croup, 8; whooping-cough, 4; typhoid fever, 2; puerperal fever, 2; diarrhœal diseases, 56; small-pox, 2.

No deaths were reported from erysipelas, malarial fever, or influenza.

There were 66 deaths from consumption, acute lung diseases, 24, still-births, 33.

From measles: Boston, 2; Cambridge, 1. From scarlet fever: Boston, 8; Salem and Beverly, 3 each. From cerebro-spinal meningitis: Boston, 2; Worcester, 2; Lynn, 1. From diphtheria and croup: Boston, 5; Worcester, Chelsea and Fitchburg, 1 each. From whooping-cough: Boston, Lowell, Cambridge and Taunton, 1 each. From typhoid fever: Boston, 2. From puerperal fever: Boston and Southbridge, 1 each. From small-pox: Boston and New Bedford, 1 each.

Deaths under five years of age numbered 182, as compared with 177 for the preceding week.

Deaths from the principal infectious diseases numbered 162, as compared with 151 for the preceding week.

The death rates for the week were, Boston, 17.42; Worcester, 16.69; Fall River, 19.91; Lowell, 16.95; Cambridge, 10.72; Lynn, 14.32; Lawrence, 14.26; New Bedford, 20.02; Springfield, 12.58; Somerville, 10.14; Holyoke, 18.20; Brockton, 3.90; Haverhill, 9.83; Salem, 11.54; Chelsea, 13.73; Malden, 6.13; Newton, 9.25; Fitchburg, 9.93; Taunton, 16.77; Everett, 13.00; North Adams, 10.85; Quincy, 13.00; Waltham, 11.35; Pittsfield, 9.45; Chicopee, 10.94; Northampton, 22.36; Medford, 11.43; Woburn, 10.95; Beverly, 22.42; Clinton, 18.55; Marlborough, 14.87; Hyde Park, 16.00; Melrose, 12.03; Weymouth, 4.59; Framingham, 9.46; Revere, 10.40; Southbridge, 5.20.

The total death rate for the week was 14.77, as compared with 18.40 and 16.17 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 13, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1898.)

Scarlet fever,	63	Measles,	195
Diphtheria and croup,	89	Typhoid fever,	12
Small-pox,	3		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 13, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 7,	29.81	68	77	60	100	80	90	N. E.	S. W.	3	10	G.	O.		0.01
Monday, . . 8,	30.00	76	84	67	59	60	60	N. W.	S. W.	12	7	C.	O.		T
Tuesday, . . 9,	30.18	65	69	61	100	92	96	E.	N. E.	9	7	R.	O.		0.05
Wednesday, . 10,	30.06	71	81	61	92	82	87	N. E.	S. W.	2	15	O.	C.		0.00
Thursday, . . 11,	29.93	76	86	65	71	97	84	W.	N. E.	7	17	O.	R.		0.94
Friday, . . 12,	30.19	66	71	62	92	69	80	N. E.	N. E.	12	6	O.	C.		0.94
Saturday, . . 13,	30.25	66	75	57	73	75	74	N. E.	S.	5	6	C.	C.		0.00
Week, . . .	30.06		78	62			82								1.94

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of June, 1901.

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	528	51	579	Canned Goods,	..	..	..
Butter,	..	..	..	Honey,	1	..	1
Cheese,	5	1	6	Tea,	..	..	..
Lard,	..	1	1	Coffee,	11	..	11
Olive Oil,	..	..	..	Cocoa,	..	..	..
Vinegar,	..	..	..	Confectionery,	4	..	4
Spices,	104	15	119	Other articles of Food and Drinks,	..	..	..
Cream of Tartar,	28	..	28	Extract of Lemon,	2	13	15
Molasses,	5	1	6	Extract of Vanilla,	2	4	6
Syrups,	..	..	..	Miscellaneous,	8	11	19
Maple Sugar,	..	..	..				
Maple Syrup,	..	..	..				
				Totals,	698	97	795

Percentage of adulteration, 12.2. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 8.8 per cent., as compared with 9.3 per cent. for the preceding month, while the percentage of other articles of food found to be adulterated was 21.3.

Ten complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. Fines were imposed amounting to $300.00. Fifteen samples of "Extract of Lemon" were examined, 13 were found below the standard, 9 contained no oil of lemon. Four out of 6 samples of "Extract of Vanilla" were found to be adulterated.

The samples of drugs found to be adulterated were Extractum Glycyrrhizæ, Ferri et Quin, Citras, Iodoformum, Oleum Limonis, Sodii Boras, Sulphur Lotum, Tincture Iodi.

Many samples of borax were obtained during the past month, bearing the following label :—

ARCHIBALD AND LEWIS
BLACK DIAMOND.
REFINED
POWDERED
BORAX.
Office, 193 Front St., New York.

CAUTION..

"Avoid the many spurious imitations of our borax, with which the market is flooded, and which can only do harm to those who use them. See that our trade mark of a black diamond is on every package."

All of the packages bearing the foregoing label were found on analysis to be seriously adulterated with bicarbonate of soda.

Cities and towns from which samples of food were collected were Arlington, Attleboro, Boston, Brookline, Cambridge, Chelsea, Clinton, Everett, Fall River, Haverhill, Hyde Park, Lowell, Lawrence, Malden, Milton, Newburyport, Newton, North Attleboro, Quincy, Salisbury Beach, Salem, Somerville, Taunton, Watertown, Worcester, Westfield, Winthrop.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 20, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 29.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 20, 1901.

Deaths reported to the State Board of Health in 32 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	560,892	193	66	51	12	6	17	5
Worcester,	118,421	43	13	8	1	..	7	..
Fall River,	104,863	49	34	24	1	..	22	..
Lowell,	94,969	40	12	12	..	..	5	3
Cambridge,	91,886	27	5	7	2	..	2	1
Lynn,	68,513	10	2	3	..	..	..	2
Lawrence,	62,559	24	13	8	1	..	6	..
New Bedford,	62,442	23	15	15	2	..	9	..
Springfield,	62,059	15	6	5	..	..	2	..
Somerville,	61,643	18	3	3	1	..	2	..
Holyoke,	45,712	20	11	12	..	..	8	1
Brockton,	40,063	12	..	3	1	..	..	1
Haverhill,	37,175	3	..	1	..	..	..	..
Salem,	35,956	9	3	1	..	..	..	..
Chelsea,	34,072	13	7	..	..	..	..	..
Malden,	33,664	7	3	2	1	..	1	..
Newton,	33,587	5	3	..	..	..	..	..
Fitchburg,	31,531	7	2	1	2	..	..	..
Taunton,	31,036	7	..	2	..	..	..	..
Gloucester,	26,121	..	..	..	..	..	..	..
Everett,	24,336	..	..	..	..	..	..	..
North Adams,	24,200	6	1	1	..	..	..	..
Quincy,	23,899	..	..	..	..	..	..	..
Waltham,	23,481	5	1	1	1	..	..	..
Pittsfield,	21,766	3	..	1	1	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	7	4	1	..	..	1	..
Northampton,	18,643	7	3	1	..	..	1	..
Medford,	18,244	5	2	2	..	..	2	..
Newburyport,	14,478	4	..	3	..	..	1	..
Woburn,	14,254	2	1	..	..	..	..	..
Beverly,	13,884	..	..	..	..	..	..	..
Clinton,	13,667	2	1	1	..	..	..	..
Marlborough,	13,609	..	..	..	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	2	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	9	2	2	..	..	..	..
Framingham,	11,302	..	..	..	..	..	..	..
Revere,	10,395	1	1	..	..	..	..	..
Southbridge,	10,025	1	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns,	1,823,649	579	215	171	26	6	86	13

Deaths from Prevalent Diseases in 32 Cities and Larger Towns of Massachusetts.

One hundred and seventy-one deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 6; cerebro-spinal meningitis, 7; diphtheria and croup, 13; whooping-cough, 3; typhoid fever, 3; diarrhœal diseases, 86; small-pox, 1.

There were no deaths reported from erysipelas, puerperal fever, malarial fever, or influenza.

There were 48 deaths from consumption, acute lung diseases, 26, still-births, 42.

From measles: Boston, 3; Worcester, 1. From scarlet fever: Boston, 6. From cerebro-spinal meningitis: Boston, 4; Lowell, Lynn and Somerville, 1 each. From diphtheria and croup: Boston, 5; Lowell, 3; Lynn, 2; Cambridge, Holyoke and Brockton, 1 each. From whooping-cough: Boston, Holyoke and Malden, 1 each. From typhoid fever: Boston, 2; Fall River, 1. From small-pox: Fall River, 1.

Deaths under five years of age numbered 215, as compared with 182 for the preceding week.

Deaths from the principal infectious diseases numbered 171, as compared with 162 for the preceding week.

The death rates for the week were, Boston, 17.89; Worcester, 18.87; Fall River, 24.32; Lowell, 21.89; Cambridge, 15.26; Lynn, 7.59; Lawrence, 19.92; New Bedford, 19.13; Springfield, 12.58; Somerville, 15.18; Holyoke, 22.70; Brockton, 15.60; Haverhill, 4.20; Salem, 13.00; Chelsea, 19.86; Malden, 10.81; Newton, 7.70; Fitchburg, 11.54; Taunton, 11.74; North Adams, 12.91; Waltham, 11.35; Pittsfield, 7.09; Chicopee, 19.00; Northampton, 19.53; Medford, 14.25; Newburyport, 14.35; Woburn, 7.30; Clinton, 7.59; Melrose, 8.00; Weymouth, 41.34; Revere, 5.00; Southbridge, 5.20.

The total death rate for the week was 16.48, as compared with 14.77 and 18.40 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 20, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	61	Measles,	144
Diphtheria and croup,	102	Typhoid fever,	13
Small-pox,	4		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 20, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 14,	30.14	77	89	65	75	74	75	W.	S. W.	8	14	C.	C.		0.00
Monday, 15,	29.95	82	91	73	77	76	76	S. W.	S. W.	12	14	C.	C.		0.00
Tuesday, 16,	29.82	84	93	74	78	80	79	W.	S. W.	12	14	C.	C.		0.00
Wednesday, 17,	29.76	79	85	73	83	89	86	S. W.	N. W.	11	4	O.	O.		0.14
Thursday, 18,	29.81	80	91	69	91	86	89	S. W.	E.	4	12	O.	O.		0.00
Friday, 19,	29.87	72	78	67	82	88	85	N.	E.	4	2	C.	F.		0.09
Saturday, 20,	29.97	73	82	64	51	62	56	N. E.	S.	8	10	C.	C.		0.00
Week,	29.90		87	69			78								0.23

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, July 27, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 30.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 27, 1901.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	208	73	66	7	2	37	3
Worcester, ...	118,421	34	17	14	2	..	12	1
Fall River, ...	104,863	54	35	31	5	..	27	..
Lowell, ...	94,969	37	22	14	..	..	10	..
Cambridge, ...	91,886	19	9	8	2	..	5	..
Lynn, ...	68,513	7	1	1	1	..	..	..
Lawrence, ...	62,559	26	21	16	2	..	14	..
New Bedford, ...	62,442	21	15	9	1	..	7	1
Springfield, ...	62,059	30	9	11	..	..	6	..
Somerville, ...	61,643	11	6	8	..	..	3	..
Holyoke, ...	45,712	24	17	17	..	..	13	1
Brockton, ...	40,063	10	1	..	..	..	..	..
Haverhill, ...	37,175	6	4	1	..	..	..	..
Salem, ...	35,956	8	2	2	..	1	..	..
Chelsea, ...	34,072	15	8	2	..	..	..	..
Malden, ...	33,664	8	..	2	..	..	..	..
Newton, ...	33,587	8	2	2	..	..	1	..
Fitchburg, ...	31,531	8	3	..	..	..	..	..
Taunton, ...	31,036	11	2	..	..	..	..	..
Gloucester, ...	26,121	..	..	..	..	..	..	..
Everett, ...	24,336	7	1	..	1	..	..	..
North Adams, ...	24,200	6	5	3	..	..	3	..
Quincy, ...	23,899	4	1	..	1	..	..	..
Waltham, ...	23,481	8	3	1	1	..	1	..
Pittsfield, ...	21,766	5	..	2	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	10	7	3	..	..	3	..
Northampton, ...	18,643	5	4	1	..	..	1	..
Medford, ...	18,244	5	3	2	..	..	1	..
Newburyport, ...	14,478	4	1	..	..	..	..	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	3	..	1	..	1	..	..
Clinton, ...	13,667	4	1	..	..	..	..	..
Marlborough, ...	13,609	3	1	..	..	..	..	..
Hyde Park, ...	13,244	2	2	1	1	..	..	1
Melrose, ...	12,962	2	..	1	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	2	..	..	..	..	..	..
Framingham, ...	11,302	4	1	1	1	..	..	..
Revere, ...	10,395	1	..	..	..	..	..	..
Southbridge, ...	10,025	2	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Scarlet Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,909,669	622	277	220	25	4	144	7

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

Two hundred and twenty deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 4; cerebro-spinal meningitis, 3; diphtheria and croup, 7; whooping-cough, 2; erysipelas, 2; typhoid fever, 5; puerperal fever, 1; diarrhœal diseases, 144.

There were no deaths reported from small-pox, malarial fever, or influenza.

There were 51 deaths from consumption, acute lung diseases, 25, still-births, 34.

From measles: Cambridge, 1. From scarlet fever: Boston, 2; Salem and Beverly, 1 each. From cerebro-spinal meningitis: Somerville, 2; Chelsea, 1. From diphtheria and croup: Boston, 3; Worcester, New Bedford, Holyoke and Hyde Park, 1 each. From whooping-cough: Boston, 2. From erysipelas: Boston, 1; Holyoke, 1. From typhoid fever: Boston, 2; Lawrence, Somerville and Malden, 1 each. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 277, as compared with 215 for the preceding week.

Deaths from the principal infectious diseases numbered 220, as compared with 171 for the preceding week.

The death rates for the week were, Boston, 19.27; Worcester, 14.93; Fall River, 26.78; Lowell, 20.26; Cambridge, 10.75; Lynn, 5.31; Lawrence, 21.60; New Bedford, 17.47; Springfield, 9.21; Somerville, 9.24; Holyoke, 27.28; Brockton, 12.97; Haverhill, 8.40; Salem, 11.57; Chelsea, 22.89; Malden, 12.34; Newton, 12.38; Fitchburg, 16.49; Taunton, 18.42; Gloucester, ——; Everett, 14.96; North Adams, 12.90; Quincy, 8.69; Waltham, 17.71; Pittsfield, 11.92; Chicopee, 27.13; Northampton, 13.95; Medford, 14.25; Newburyport, 14.35; Beverly, 11.23; Clinton, 15.18; Marlborough, 11.46; Hyde Park, 8.06; Melrose, 8.02; Weymouth, 9.18; Revere, 5.00; Southbridge, 10.40.

The total death rate for the week was 16.93, as compared with 16.48 and 14.47 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending July 27, 1901.

(Under the Provisions of Chapter 802 of the Acts of 1893.)

Scarlet fever,	37	Measles,	104
Diphtheria and croup,	87	Typhoid fever,	35
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, July 27, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 21,	29.84	78	90	66	70	68		69	S.	S. W.	9	15		O.	F.			0.00
Monday, 22,	29.80	84	94	75	64	60		62	S. W.	S. W.	15	9		C.	F.			T
Tuesday, 23,	29.93	76	80	71	52	65		59	E.	S.	8	4		C.	O.			0.00
Wednesday, 24,	29.88	76	90	62	57	60		58	W.	W.	7	9		C.	O.			0.00
Thursday, 25,	30.02	60	66	53	82	68		75	S. E.	S. E.	7	7		O.	C.			0.93
Friday, 26,	30.08	64	68	59	84	65		75	N. E.	S.	7	7		O.	C.			T
Saturday, 27,	30.16	68	76	60	71	67		69	W.	S. W.	3	9		F.	C.			0.00
Week,	29.96		81	64				67										0.93

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 3, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 31.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 3, 1901.

Deaths reported to the State Board of Health in 34 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	210	99	91	10	1	61	1
Worcester, ...	118,421	47	16	16	1	..	10	..
Fall River, ...	104,863	59	41	35	..	2	29	..
Lowell, ...	94,969	39	20	14	2	..	11	..
Cambridge, ...	91,886	29	17	13	2	..	9	..
Lynn, ...	68,513	15	6	5	1	..	1	..
Lawrence, ...	62,559	26	16	15	..	..	12	1
New Bedford, ...	62,442	32	19	15	..	2	11	..
Springfield, ...	62,059	15	8	4	1	..	4	..
Somerville, ...	61,643	..	..	..	..	..	..	..
Holyoke, ...	45,712	17	12	7	1	..	7	..
Brockton, ...	40,063	..	..	..	..	..	..	..
Haverhill, ...	37,175	14	6	2	..	..	1	1
Salem, ...	35,956	10	4	3	..	1	..	..
Chelsea, ...	34,072	7	5	..	..	..	..	..
Malden, ...	33,664	8	4	2	..	..	1	..
Newton, ...	33,587	5	..	3	..	..	1	..
Fitchburg, ...	31,531	6	5	..	..	..	..	..
Taunton, ...	31,036	8	3	2	..	..	..	..
Gloucester, ...	26,121	4	2	..	..	..	..	..
Everett, ...	24,336	9	3	..	..	..	..	..
North Adams, ...	24,200	6	1	1	..	..	1	..
Quincy, ...	23,899	5	3	3	..	..	3	..
Waltham, ...	23,481	5	2	3	..	..	1	..
Pittsfield, ...	21,766	..	..	..	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	14	8	4	..	1	2	..
Northampton, ...	18,643	4	..	..	..	..	..	..
Medford, ...	18,244	2	..	..	..	..	..	..
Newburyport, ...	14,478	5	3	2	..	..	1	..
Woburn, ...	14,254	4	1	..	1	..	..	..
Beverly, ...	13,884	4	..	1	..	..	..	..
Clinton, ...	13,667	6	2	..	..	..	..	..
Marlborough, ...	13,609	4	..	1	..	..	1	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	2	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	6	2	1	..	..	..	..
Framingham, ...	11,302	3	..	1	..	..	1	..
Revere, ...	10,395	4	2	..	..	..	..	..
Southbridge, ...	10,025	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,803,303	634	310	244	19	7	168	3

Deaths from Prevalent Diseases in 34 Cities and Larger Towns of Massachusetts.

Two hundred and forty-four deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 5; cerebro-spinal meningitis, 3; diphtheria and croup, 3; whooping-cough, 2; typhoid fever, 7; puerperal fever, 1; diarrhœal diseases, 168.

There were no deaths reported from erysipelas, malarial fever, influenza, or small-pox.

There were 54 deaths from consumption, acute lung diseases, 19, still-births, 45.

From measles: Boston, 1. From scarlet fever: Boston, 4; Salem, 1. From cerebro-spinal meningitis: Worcester, 1; Lynn, 2. From diphtheria and croup: Boston, Lawrence and Haverhill, 1 each. From whooping-cough: Cambridge and Chicopee, 1 each. From typhoid fever: Boston, 1; Fall River, 2; New Bedford, 2; Salem, 1; Chicopee, 1. From puerperal fever: New Bedford, 1.

Deaths under five years of age numbered 310, as compared with 277 for the preceding week.

Deaths from the principal infectious diseases numbered 244, as compared with 220 for the preceding week.

The death rates for the week were: Boston, 19.47; Worcester, 20.64; Fall River, 29.26; Lowell, 21.35; Cambridge, 16.43; Lynn, 11.37; Lawrence, 21.59; New Bedford, 26.62; Springfield, 12.53; Holyoke, 19.33; Haverhill, 19.58; Salem, 14.46; Chelsea, 10.68; Malden, 12.35; Newton, 7.74; Fitchburg, 9.89; Taunton, 13.20; Gloucester, 7.96; Everett, 19.23; North Adams, 12.89; Quincy, 10.86; Waltham, 11.07; Chicopee, 37.98; Northampton, 11.16; Medford, 5.70; Newburyport, 17.95; Woburn, 14.59; Beverly, 14.98; Clinton, 22.82; Marlborough, 15.28; Melrose, 8.02; Weymouth, 27.55; Framingham, 13.80; Revere, 20.02.

The total death rate for the week was 18.28, as compared with 16.93 and 16.48 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 3, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1898.)

Scarlet fever,	70	Measles,	65
Diphtheria and croup,	136	Typhoid fever,	31
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 3, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, July 28,	29.96	67	72	62	75	82		79	S. W.	S. W.	10	13		O.	O.			T
Monday, 29,	29.92	62	66	59	91	93		92	N.	N. E.	12	6		O.	O.			1.81
Tuesday, 30,	29.79	74	87	62	91	72		82	S. W.	W.	12	9		O.	F.			0.01
Wednesday, 31,	29.76	76	87	65	82	68		75	S. E.	W.	1	6		C.	O.			0.00
Thursday, Aug. 1,	29.83	73	81	65	61	59		60	N. W.	N. W.	11	8		C.	O.			0.00
Friday, 2,	29.93	68	75	62	56	71		64	N. W.	S.	8	10		C.	C.			0.00
Saturday, 3,	29.87	72	80	64	87	84		85	S. W.	S. W.	12	7		R.	O.			T
Week,	29.87		78	63				77										1.82

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 10, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 32.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 10, 1901.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	560,892	194	95	51	8	1	28	2
Worcester,	118,421	38	25	23	..	..	18	..
Fall River,	104,863	67	36	42	1	2	38	..
Lowell,	94,969	39	24	19	1	..	13	2
Cambridge,	91,886	27	16	13	..	..	10	..
Lynn,	68,513	18	9	10	1	..	7	1
Lawrence,	62,559	27	21	13	1	..	13	..
New Bedford,	62,442	31	22	14	..	..	12	..
Springfield,	62,059	11	2	2	1	..	1	..
Somerville,	61,643	9	4	3	1	..	2	..
Holyoke,	45,712	17	6	2	1	..	1	..
Brockton,	40,063	6	1	1	1	..	..	..
Haverhill,	37,175	7	1	1	..	..	..	..
Salem,	35,956	13	6	3	..	..	3	..
Chelsea,	34,072	10	6	..	..	..	..	..
Malden,	33,664	14	11	7	..	..	6	..
Newton,	33,587	4	2	2	..	..	1	1
Fitchburg,	31,531	9	5	..	1	..	..	..
Taunton,	31,036	11	4	1	..	..	1	..
Gloucester,	26,121	6	..	1	..	1	..	..
Everett,	24,336	7	4	..	..	..	..	..
North Adams,	24,200	10	6	1	..	..	1	..
Quincy,	23,899	7	2	3	..	..	1	..
Waltham,	23,481	6	..	2	..	..	..	..
Pittsfield,	21,766	6	..	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	6	4	2	..	..	1	..
Northampton,	18,643	9	1	2	..	..	1	..
Medford,	18,244	3	1	1	..	..	1	..
Newburyport,	14,478	4	3	3	..	..	3	..
Woburn,	14,254	5	..	3	..	..	..	..
Beverly,	13,884	3	..	..	..	..	..	..
Clinton,	13,667	1	..	1	..	..	..	..
Marlborough,	13,609	2	1	2	..	..	..	1
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	2	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	1	..	..	..	..	..	..
Framingham,	11,302	..	..	..	..	..	..	..
Revere,	10,395	6	1	..	..	..	..	..
Southbridge,	10,025	4	..	3	..	..	3	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,925,498	640	319	231	17	4	165	7

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

Two hundred and thirty-one deaths were reported from the principal infectious diseases: measles, 1; cerebro-spinal meningitis, 6; diphtheria and croup, 7; whooping-cough, 1; typhoid fever, 4; diarrhœal diseases, 165.

There were no deaths reported from scarlet fever, erysipelas, puerperal fever, malarial fever, influenza, or small-pox.

There were 47 deaths from consumption, acute lung diseases, 17, still-births, 40.

From measles: Cambridge, 1. From cerebro-spinal meningitis: Worcester, 3; Lowell, Cambridge and Lynn, 1 each. From diphtheria and croup: Boston, 2; Lowell, 2; Lynn, Newton and Marlborough, 1 each. From whooping-cough: Malden, 1. From typhoid fever: Boston, 1; Fall River, 2; Gloucester, 1.

Deaths under five years of age numbered 319, as compared with 310 for the preceding week.

Deaths from the principal infectious diseases numbered 231, as compared with 244 for the preceding week.

The death rates for the week were, Boston, 17.98; Worcester, 16.69; Fall River, 33.22; Lowell, 21.35; Cambridge, 15.27; Lynn, 13.65; Lawrence, 22.43; New Bedford, 25.79; Springfield, 9.21; Somerville, 7.57; Holyoke, 19.34; Brockton, 7.79; Haverhill, 9.79; Salem, 18.80; Chelsea, 15.26; Malden, 21.62; Newton, 6.19; Fitchburg, 14.84; Taunton, 18.43; Gloucester, 11.94; Everett, 14.96; North Adams, 21.48; Quincy, 15.21; Waltham, 13.28; Pittsfield, 14.33; Chicopee, 16.28; Northampton, 25.10; Medford, 8.55; Newburyport, 14.36; Woburn, 18.24; Beverly, 11.23; Clinton, 3.80; Marlborough, 7.64; Melrose, 8.02; Weymouth, 4.59; Revere, 30.02; Southbridge, 20.80.

The total death rate for the week was 17.26, as compared with 18.28 and 16.93 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 10, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	46	Measles,	36
Diphtheria and croup,	106	Typhoid fever,	47
Small-pox,	0		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 10, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 4,	29.93	69	74	64	90	83		86	S. W.	S. W.	12	4		F.	F.			0.14
Monday, 5,	30.13	70	77	63	64	58		62	N. E.	S. E.	10	8		C.	O.			0.00
Tuesday, 6,	30.27	66	70	62	68	92		80	N. E.	E.	7	8		O.	O.			T
Wednesday, 7,	29.98	70	77	64	95	90		92	S.	S. W.	16	15		O.	C.			0.67
Thursday, 8,	29.95	74	85	64	70	74		72	W.	S. W.	6	15		C.	C.			0.00
Friday, 9,	30.06	74	81	66	55	66		60	N. W.	S.	12	9		C.	C.			0.00
Saturday, 10,	29.93	74	84	65	88	77		82	S. W.	S. W.	8	17		O.	O.			0.00
Week,	30.03		78	64				76										0.81

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of July, 1901 :—

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	442	103	545	Canned Goods, .	..	..	..
Butter, . . .	8	..	8	Honey, . . .	..	..	..
Cheese, . . .	1	..	1	Tea, . . .	1	..	1
Lard, . . .	..	..	..	Coffee, . . .	3	2	5
Olive Oil, . . .	..	..	..	Cocoa and Chocolate,	..	2	2
Vinegar, . . .	..	..	..	Confectionery, .		..	..
Spices, . . .	124	16	140	Other articles of Food and Drinks,	..	..	..
Cream of Tartar, .	35	..	35	Extract of Lemon, .	1	1	2
Molasses, . . .	1	..	1	Condensed Milk, .	2	..	2
Syrups, . . .	..	..	..	Miscellaneous, .	5	6	11
Maple Sugar, . .	..	..	..				
Maple Syrup, . .	1	1	2				
				Totals, . .	624	131	755

Percentage of adulteration, 17.3. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 18.9 per cent., while the percentage of articles of food was 13.3 per cent.

Two complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. These were for violation of the statutes relative to the sale of milk. Both parties were found guilty and fined. Five of the samples of milk were found to be colored, and eighteen contained preservatives.

The samples of drugs found to be adulterated were Acidum Tannicum, Aqua Destillata, Capsicum, Glycerinum, Liquor Calcis, Oleum Olivæ, Potassii et Sodii Tartras, Sodii Boras, Sodii Phosphas, Sulphur Lotum, Sulphur Praecipitatum, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Worcester, Lowell, Lawrence, Cambridge, Chelsea, Somerville, Haverhill, Brockton, Gloucester, Quincy, Provincetown, Abington, Whitman, Hingham, Hull, Salem, Waltham, Wayland, Braintree, Watertown, Jamaica Plain, Medford, Medway, Bellingham, Brookline, Pittsfield, Stoughton, Franklin, Attleborough, Framingham, Dedham, Revere, Everett, Arlington, Newburyport.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 17, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 33.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

Henry P. Walcott, M.D., Cambridge, *Chairman.*
Julian A. Mead, M.D., Watertown.
Hiram F. Mills, C.E., Lawrence.
Frank W. Draper, M.D., Boston.
Gerard C. Tobey, Esq., Wareham.
James W. Hull, Pittsfield.
Charles H. Porter, Quincy.

Samuel W. Abbott, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 17, 1901.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	233	103	58	9	3	21	..
Worcester, ...	118,421	39	23	15	..	..	14	..
Fall River, ...	104,863	55	34	31	1	..	27	..
Lowell, ...	94,969	45	23	17	2	..	13	3
Cambridge, ...	91,886	28	10	10	..	1	4	..
Lynn, ...	68,513	23	11	6	1	1	7	..
Lawrence, ...	62,559	22	16	9	..	..	8	..
New Bedford, ...	62,442	35	19	21	..	1	14	..
Springfield, ...	62,059	26	9	7	2	..	3	..
Somerville, ...	61,643	14	7	5	..	..	5	..
Holyoke, ...	45,712	20	10	8	1	..	3	3
Brockton, ...	40,063	8	2	2	1	..	1	..
Haverhill, ...	37,175	10	3	3	1	1	..	..
Salem, ...	35,956	15	11	9	..	..	7	1
Chelsea, ...	34,072	11	2	1	..	..	..	..
Malden, ...	33,664	13	7	5	1	1	3	..
Newton, ...	33,587	7	4	3	..	..	3	..
Fitchburg, ...	31,531	9	4	..	..	..	..	..
Taunton, ...	31,036	..	..	..	..	..	..	..
Gloucester, ...	26,121	12	3	2	..	..	..	1
Everett, ...	24,336	9	3	1	..	..	..	..
North Adams, ...	24,200	8	3	5	..	..	2	..
Quincy, ...	23,899	11	2	5	..	..	3	..
Waltham, ...	23,481	8	3	3	1	..	1	..
Pittsfield, ...	21,766	6	2	2	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	7	4	3	..	..	3	..
Northampton, ...	18,643	12	2	1	1	..	..	..
Medford, ...	18,244	1	..	..	..	..	..	..
Newburyport, ...	14,478	8	1	1	..	..	1	..
Woburn, ...	14,254	5	2	..	..	..	..	..
Beverly, ...	13,884	2	1	..	..	..	..	..
Clinton, ...	13,667	1	1	1	..	..	1	..
Marlborough, ...	13,609	4	..	1	1	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	7	2	2	..	..	1	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	1	..	..	..	..	..	..
Weymouth, ...	11,324	..	..	..	..	..	..	..
Framingham, ...	11,302	..	..	..	..	..	..	..
Revere, ...	10,395	6	2	..	..	..	..	..
Southbridge, ...	10,025	5	3	3	..	..	1	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,894,440	726	332	240	22	8	146	9

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

Two hundred and forty deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 6; cerebro-spinal meningitis, 9; diphtheria and croup, 9; whooping-cough, 3; erysipelas, 1; typhoid fever, 8; diarrhœal diseases, 146.

No deaths were reported from puerperal fever, malarial fever, influenza, or small-pox.

There were 57 deaths from consumption, acute lung diseases, 22, still-births, 43.

From measles: Boston, 1. From scarlet fever: Boston, 4; New Bedford, 1; Brockton, 1. From cerebro-spinal meningitis: Boston, 3; Pittsfield, 2; Springfield, Everett, Melrose and Southbridge, 1 each. From diphtheria and croup: Lowell, 3; Holyoke, 3; Salem, Gloucester and Southbridge, 1 each. From whooping-cough: Boston, 3. From erysipelas: Boston, 1. From typhoid fever: Boston, 3; Cambridge, Lynn, New Bedford, Haverhill and Malden, 1 each.

Deaths under five years of age numbered 332, as compared with 319 for the preceding week.

Deaths from the principal infectious diseases numbered 240, as compared with 231 for the preceding week.

The death rates for the week were, Boston, 21.60; Worcester, 17.13; Fall River, 27.28; Lowell, 24.64; Cambridge, 15.84; Lynn, 17.45; Lawrence, 18.28; New Bedford, 29.12; Springfield, 21.78; Somerville, 11.79; Holyoke, 22.75; Brockton, 10.38; Haverhill, 13.98; Salem, 21.69; Chelsea, 16.79; Malden, 20.08; Newton, 10.84; Fitchburg, 14.84; Gloucester, 23.88; Everett, 19.23; North Adams, 17.18; Quincy, 23.90; Waltham, 17.71; Pittsfield, 14.33; Chicopee, 19.00; Northampton, 33.46; Medford, 2.85; Newburyport, 28.72; Woburn, 18.24; Beverly, 7.49; Clinton, 3.80; Marlborough, 15.28; Melrose, 28.08; Framingham, 4.60; Revere, 30.02; Southbridge, 26.00.

The total death rate for the week was 20.48, as compared with 17.26 and 18.28 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 17, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	63	Measles,	41
Diphtheria and croup,	112	Typhoid fever,	92
Small-pox,	1		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 17, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 11,	30.00	80	87	72	82	54	68	W.	W.	9	4	C.	F.		0.09
Monday, 12,	30.08	68	75	62	87	90	88	N.	N. E.	9	6	O.	R.		0.02
Tuesday, 13,	30.12	67	72	62	83	77	80	E.	S. E.	6	9	C.	C.		T
Wednesday, 14,	30.03	70	76	63	87	88	88	S. E.	S.	4	12	O.	C.		0.00
Thursday, 15,	29.95	69	76	62	96	91	94	S.	S.	3	12	O.	F.		T
Friday, 16,	29.94	77	85	69	71	62	66	W.	W.	12	5	F.	F.		0.00
Saturday, 17,	29.96	74	86	63	64	83	74	W.	S. W.	10	10	F.	O.		T
Week,	30.01		80	65			80								0.11

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 24, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 34.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 24, 1901.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	560,892	242	128	96	15	2	59	3
Worcester,	118,421	24	11	5	1	1	3	..
Fall River,	104,863	44	23	18	..	..	15	..
Lowell,	94,969	35	19	10	2	..	7	1
Cambridge,	91,886	33	21	3	1	..	..	..
Lynn,	68,513	23	11	3	..	..	2	..
Lawrence,	62,559	26	13	6	..	1	5	..
New Bedford,	62,442	41	21	18	1	3	12	..
Springfield,	62,059	8	..	2	..	..	..	..
Somerville,	61,643	15	8	6	1	..	5	1
Holyoke,	45,712	9	2	2	1	..	2	..
Brockton,	40,063	10	4	6	..	..	2	..
Haverhill,	37,175	8	3	1	..	..	1	..
Salem,	35,956	10	3	5	..	..	3	..
Chelsea,	34,072	10	2	2	1	..	1	1
Malden,	33,664	7	2	2	..	..	1	..
Newton,	33,587	8	6	3	..	..	3	..
Fitchburg,	31,531	13	11	1	..	..	..	..
Taunton,	31,036	..	..	..	..	..	..	..
Gloucester,	26,121	6	2	1	..	..	..	..
Everett,	24,336	7	5	1	..	..	..	1
North Adams,	24,200	10	1	1	..	..	1	..
Quincy,	23,899	7	3	3	..	..	3	..
Waltham,	23,481	6	4	3	..	..	3	..
Pittsfield,	21,766	4	3	1	1	..	..	1
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	7	4	2	..	..	2	..
Northampton,	18,643	5	2	..	..	..	..	..
Medford,	18,244	2	2	..	..	..	..	..
Newburyport,	14,478	2	1	..	..	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	3	..	..	..	..	..	..
Clinton,	13,667	7	1	2	..	..	1	..
Marlborough,	13,609	2	..	..	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	1	..	1	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	4	1	..	..	..	..	..
Framingham,	11,302	3	1	2	..	..	1	..
Revere,	10,395	1	..	..	..	..	..	..
Southbridge,	10,025	2	2	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,891,510	645	320	206	24	4	132	8

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

Two hundred and six deaths were reported from the principal infectious diseases: scarlet fever, 7; cerebro-spinal meningitis, 4; diphtheria and croup, 8; whooping-cough, 2; typhoid fever, 7; diarrhœal diseases, 132; small-pox, 2.

No deaths were reported from measles, erysipelas, puerperal fever, malarial fever, or influenza.

There were 44 deaths from consumption, acute lung diseases, 24, still-births, 36.

From scarlet fever: Boston, 5; Brockton, 2. From cerebro-spinal meningitis: Boston, 3; Gloucester, 1. From diphtheria and croup: Boston, 3; Lowell, Somerville, Chelsea, Everett and Pittsfield, 1 each. From whooping-cough: Boston, 1; Cambridge, 1. From typhoid fever: Boston, 2; New Bedford, 3; Worcester and Lawrence, 1 each.

Deaths under five years of age numbered 320, as compared with 332 for the preceding week.

Deaths from the principal infectious diseases numbered 206, as compared with 240 for the preceding week.

The death rates for the week were, Boston, 22.44; Worcester, 10.54; Fall River, 21.82; Lowell, 19.16; Cambridge, 18.67; Lynn, 17.45; Lawrence, 21.60; New Bedford, 34.11; Springfield, 6.70; Somerville, 12.63; Holyoke, 10.23; Brockton, 12.98; Haverhill, 11.19; Salem, 14.46; Chelsea, 15.26; Malden, 10.81; Newton, 12.38; Fitchburg, 21.43; Gloucester, 11.94; Everett, 14.96; North Adams, 21.48; Quincy, 15.21; Waltham, 13.28; Pittsfield, 9.56; Chicopee, 19.00; Northampton, 13.94; Medford, 5.70; Newburyport, 7.18; Beverly, 11.23; Clinton, 26.63; Marlborough, 7.64; Melrose, 4.00; Weymouth, 18.37; Revere, 5.00; Southbridge, 10.40.

The total death rate for the week was 17.73, as compared with 20.48 and 17.26 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 24, 1901.

(Under the Provisions of Chapter 802 of the Acts of 1893.)

Scarlet fever,	52	Measles,	33
Diphtheria and croup,	126	Typhoid fever,	66
	Small-pox,	6	

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 24, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 18,	30.04	70	76	65	72	60	66	N. E.	S.	12	6		O.	O.			0.20
Monday, 19,	30.20	64	70	59	78	86	82	E.	E.	6	10		F.	R.			Trace
Tuesday, 20,	30.10	66	72	61	97	92	94	N. W.	E.	5	8		O.	O.			0.03
Wednesday, 21,	30.12	68	71	64	100	85	92	E.	E.	4	3		G.	C.			0.00
Thursday, 22,	30.20	66	70	62	97	81	89	S. E.	S. E.	6	7		G.	C.			0.00
Friday, 23,	30.20	71	78	64	83	84	84	S.	S.	5	11		O.	C.			0.00
Saturday, 24,	30.08	78	88	69	80	86	83	S. W.	S. W.	9	6		F.	R.			0.01
Week,	30.13		75	63			84										0.24

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 31, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 35.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 31, 1901.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	213	93	87	14	3	44	7
Worcester, ...	118,421	48	25	16	3	1	12	..
Fall River, ...	104,863	49	37	24	2	..	23	..
Lowell, ...	94,969	45	22	13	1	..	11	1
Cambridge, ...	91,886	27	10	10	2	..	6	..
Lynn, ...	68,513	..	..	..	..	..	..	..
Lawrence, ...	62,559	22	11	8	1	1	6	..
New Bedford, ...	62,442	41	18	9	2	2	..	..
Springfield, ...	62,059	23	7	6	1	..	3	..
Somerville, ...	61,643	17	5	10	2	1	3	1
Holyoke, ...	45,712	15	8	7	3	..	6	..
Brockton, ...	40,063	15	5	5	..	..	3	..
Haverhill, ...	37,175	9	1	3	..	..	..	..
Salem, ...	35,956	17	9	8	..	..	8	..
Chelsea, ...	34,072	10	4	3	..	..	2	1
Malden, ...	33,664	16	7	6	1	..	4	..
Newton, ...	33,587	5	3	4	..	..	4	..
Fitchburg, ...	31,531	7	4	1	..	..	..	..
Taunton, ...	31,036	22	12	10	..	..	8	..
Gloucester, ...	26,121	3	1	..	..	..	..	..
Everett, ...	24,336	8	4	1	..	..	..	1
North Adams, ...	24,200	19	16	13	..	..	12	..
Quincy, ...	23,899	9	5	4	..	..	3	..
Waltham, ...	23,481	4	2	1	..	..	..	..
Pittsfield, ...	21,766	6	..	2	1	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	6	1	1	..	..	1	..
Northampton, ...	18,643	11	5	3	..	..	2	..
Medford, ...	18,244	6	1	1	1	..	1	..
Newburyport, ...	14,478	7	3	6	..	..	6	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	3	1	..	..	..	..	..
Clinton, ...	13,667	8	..	1	..	..	..	..
Marlborough, ...	13,609	3	1	1	..	..	..	..
Hyde Park, ...	13,244	6	1	3	..	..	1	1
Melrose, ...	12,962	5	4	1	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	4	1	1	..	..	..	..
Framingham, ...	11,302	..	..	..	..	..	..	..
Revere, ...	10,395	3	2	..	..	..	..	..
Southbridge, ...	10,025	4	2	1	..	..	1	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,855,965	716	331	270	34	8	170	12

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

Two hundred and seventy deaths were reported from the principal infectious diseases: measles, 2; scarlet fever, 8; cerebro-spinal meningitis, 7; diphtheria and croup, 12; whooping-cough, 2; typhoid fever, 8; diarrhœal diseases, 170.

No deaths were reported from puerperal fever, malarial fever, influenza, or small-pox.

There were 61 deaths from consumption, acute lung diseases, 34, still-births, 33.

From measles: Boston, 1; Springfield, 1. From scarlet fever: Boston, 5; Taunton, 1; Weymouth, 1; Brockton, 1. From cerebro-spinal meningitis: Worcester, 1; Cambridge, 1; Somerville, 2; North Adams, 1; Melrose, 1; Lawrence, 1. From diphtheria and croup: Boston, 7; Lowell, 1; Somerville, 1; Chelsea, 1; Everett, 1; Hyde Park, 1. From whooping-cough: Boston, 1; Haverhill, 1. From typhoid fever: Boston, 3; Worcester, 1; Lawrence, 1; New Bedford, 2; Somerville, 1.

Deaths under five years of age numbered 331, as compared with 320 for the preceding week.

Deaths from the principal infectious diseases numbered 270, as compared with 206 for the preceding week.

The death rates for the week were, Boston, 19.74; Worcester, 21.15; Fall River, 24.27; Lowell, 24.63; Cambridge, 15.26; Lawrence, 18.16; New Bedford, 34.35; Springfield, 19.29; Somerville, 14.26; Holyoke, 16.96; Brockton, 19.50; Haverhill, 12.65; Salem, 24.55; Chelsea, 15.29; Malden, 24.47; Newton, 7.65; Fitchburg, 11.38; Taunton, 36.90; Gloucester, 6.00; Everett, 17.33; North Adams, 41.16; Quincy, 19.50; Waltham, 9.04; Pittsfield, 14.18; Chicopee, 16.42; Northampton, 30.10; Medford, 17.33; Newburyport, 26.00; Beverly, 11.14; Clinton, 29.00; Marlborough, 11.14; Hyde Park, 24.00; Melrose, 20.00; Weymouth, 18.91; Revere, 15.60; Southbridge, 20.80.

The total death rate for the week was 20.06, as compared with 17.73 and 20.48 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Aug. 31, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	26	Measles,	29
Diphtheria and croup,	77	Typhoid fever,	99
Small-pox,	6		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 31, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 25,	30.02	72	75	68	88	80	84	N.	S. E.	9	4	O.	F.			2.09
Monday, 26,	30.04	70	72	67	88	81	84	E.	E.	4	2	O.	C.			0.00
Tuesday, 27,	30.12	70	78	62	85	76	80	W.	S. E.	3	4	C.	C.			0.00
Wednesday, 28,	30.22	67	72	62	61	59	60	N. E.	S. E.	7	9	C.	C.			0.00
Thursday, 29,	30.13	73	83	63	46	57	52	S. W.	S. W.	5	15	C.	C.			0.00
Friday, 30,	30.00	72	82	63	60	61	60	S. W.	S.	5	10	C.	C.			0.00
Saturday, 31,	30.02	66	70	62	83	65	74	S.	E.	5	10	F.	O.			0.00
Week,	30.08		76	64			71									2.09

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 7, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 36.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 7, 1901.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	216	86	92	12	7	39	4
Worcester, ...	118,421	37	24	18	2	..	9	..
Fall River, ...	104,863	39	27	23	2	1	18	..
Lowell, ...	94,969	49	23	14	2	..	5	2
Cambridge, ...	91,886	36	15	10	1	..	7	..
Lynn, ...	68,513	21	6	2	..	1	..	..
Lawrence, ...	62,559	27	9	15	1	..	8	..
New Bedford, ...	62,442	30	14	16	1	3	8	..
Springfield, ...	62,059	12	3	4	..	1	2	..
Somerville, ...	61,643	7	1	3	..	..	2	..
Holyoke, ...	45,712	12	7	5	..	..	1	2
Brockton, ...	40,063	6	3	4	..	..	2	..
Haverhill, ...	37,175	19	6	7	..	1	3	..
Salem, ...	35,956	13	10	8	..	..	7	..
Chelsea, ...	34,072	11	2	4	..	1	..	..
Malden, ...	33,664	7	2	2	..	..	1	..
Newton, ...	33,587	9	4	5	..	1	3	..
Fitchburg, ...	31,531	6	3	1	..	..	..	..
Taunton, ...	31,036	16	6	5	..	..	4	..
Gloucester, ...	26,121	4	1	1	..	..	..	..
Everett, ...	24,336	10	6	..	1	..	..	..
North Adams, ...	24,200	3	2	1	..	..	1	..
Quincy, ...	23,899	9	2	4	1	..	2	..
Waltham, ...	23,481	9	3	3	..	1	2	..
Pittsfield, ...	21,766	8	2	..	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	6	2	4	..	..	2	..
Northampton, ...	18,643	4	2	2	..	1	1	..
Medford, ...	18,244	4	1	..	..	..	..	..
Newburyport, ...	14,478	1	1	1	..	..	1	..
Woburn, ...	14,254	4	3	1	..	..	1	..
Beverly, ...	13,884	7	3	..	..	..	..	..
Clinton, ...	13,667	2	1	1	..	..	1	..
Marlborough, ...	13,609	3	2	3	..	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	1	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	..	..	..	..	..	..	..
Framingham, ...	11,302	2	..	..	..	..	..	..
Revere, ...	10,395	3	..	..	..	..	..	..
Southbridge, ...	10,025	5	3	3	..	..	3	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,925,476	658	285	262	23	18	133	8

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

Two hundred and sixty-two deaths were reported from the principal infectious diseases : scarlet fever, 1 ; cerebro-spinal meningitis, 12 ; diphtheria and croup, 8 ; whooping-cough, 7 ; typhoid fever, 18 ; diarrhœal diseases, 133.

No deaths were reported from measles, erysipelas, puerperal fever, malarial fever, influenza, or small-pox.

There were 83 deaths from consumption, acute lung diseases, 23, still-births, 43.

From scarlet fever : Boston, 1. From cerebro-spinal meningitis : Worcester, 4 ; Boston and Marlborough, 2 each ; New Bedford, Brockton, Malden and Gloucester, 1 each. From diphtheria and croup : Boston, 4 ; Lowell and Holyoke, 2 each ; From whooping-cough : Boston and Worcester, 2 each ; Lowell, Cambridge and Holyoke, 1 each. From typhoid fever : Boston, 7 ; New Bedford, 3 ; Fall River, Lynn, Springfield, Haverhill, Chelsea, Newton, Waltham and Northampton, 1 each.

Deaths under five years of age numbered 285, as compared with 331 for the preceding week.

Deaths from the principal infectious diseases numbered 262, as compared with 270 for the preceding week.

The death rates for the week were, Boston, 20.02 ; Worcester, 16.31 ; Fall River, 19.31 ; Lowell, 26.84 ; Cambridge, 20.35 ; Lynn, 15.83 ; Lawrence, 22.29 ; New Bedford, 24.84 ; Springfield, 10.06 ; Somerville, 5.87 ; Holyoke, 13.57 ; Brockton, 7.80 ; Haverhill, 26.70 ; Salem, 18.78 ; Chelsea, 16.82 ; Malden, 10.71 ; Newton, 13.76 ; Fitchburg, 9.75 ; Taunton, 26.84 ; Gloucester, 8.00 ; Everett, 21.67 ; North Adams, 6.50 ; Quincy, 19.50 ; Waltham, 20.35 ; Pittsfield, 18.91 ; Chicopee, 16.42 ; Northampton, 10.95 ; Medford, 11.56 ; Newburyport, 3.71 ; Woburn, 14.86 ; Beverly, 26.00 ; Clinton, 7.43 ; Marlborough, 11.14 ; Melrose, 4.00 ; Framingham, 9.45 ; Revere, 15.60 ; Southbridge, 26.00.

The total death rate for the week was 17.77, as compared with 20.06 and 17.73 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 7, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	46	Measles,	34
Diphtheria and croup,	89	Typhoid fever,	114
Small-pox,	15		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Sept. 7, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 1,	29.98	66	68	63	97	92	94	N. E.	N. E.	14	9	R.	O.		0.23
Monday, 2,	30.02	66	72	60	84	77	80	N. E.	S. W.	4	3	F.	O.		0.00
Tuesday, 3,	30.10	68	74	63	76	90	83	N. E.	N. E.	4	3	F.	O.		0.00
Wednesday, 4,	30.07	70	77	62	92	91	92	W.	S. W.	6	9	O.	O.		0.00
Thursday, 5,	30.09	78	89	66	75	77	76	W.	S. E.	5	6	C.	C.		0.00
Friday, 6,	30.12	74	79	68	78	74	76	W.	S. E.	3	5	C.	C.		0.00
Saturday, 7,	29.92	75	82	68	76	69	72	N. W.	N. W.	8	10	C.	C.		0.00
Week,	30.04		77	64			82								0.23

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 14, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 37.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 14, 1901.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	206	83	75	15	4	42	1
Worcester, ...	118,421	22	12	7	2	1	2	1
Fall River, ...	104,863	52	32	13	5	..	9	..
Lowell, ...	94,969	46	32	12	1	1	7	1
Cambridge, ...	91,886	12	5	2	1	..	1	1
Lynn, ...	68,513	..	..	..	..	..	..	..
Lawrence, ...	62,559	22	12	8	1	..	4	..
New Bedford, ...	62,442	24	4	4	..	1	..	..
Springfield, ...	62,059	16	7	7	1	1	2	1
Somerville, ...	61,643	17	5	5	..	..	2	1
Holyoke, ...	45,712	16	8	6	2	..	4	1
Brockton, ...	40,063	18	5	9	..	..	3	..
Haverhill, ...	37,175	5	2	1	..	..	..	..
Salem, ...	35,956	19	11	9	..	..	8	..
Chelsea, ...	34,072	5	2	2	..	..	..	..
Malden, ...	33,664	10	3	..	..	..	..	..
Newton, ...	33,587	9	2	3	..	..	1	1
Fitchburg, ...	31,531	7	3	..	..	..	..	..
Taunton, ...	31,036	15	7	4	..	..	3	..
Gloucester, ...	26,121	10	3	2	..	..	..	..
Everett, ...	24,336	5	3	1	..	1	..	..
North Adams, ...	24,200	5	2	3	..	..	1	..
Quincy, ...	23,899	7	3	2	1	..	..	..
Waltham, ...	23,481	9	3	5	..	1	4	..
Pittsfield, ...	21,766	3	1	..	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	7	4	3	..	..	2	..
Northampton, ...	18,643	8	4	..	..	..	..	..
Medford, ...	18,244	5	3	1	..	..	1	..
Newburyport, ...	14,478	10	2	2	1	1	1	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	4	..	..	..	..	..	..
Clinton, ...	13,667	7	5	3	1	..	2	..
Marlborough, ...	13,609	3	2	2	..	..	1	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	3	..	1	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	6	1	3	..	..	..	..
Framingham, ...	11,302	5	2	2	1	..	2	..
Revere, ...	10,395	6	3	1	..	1	..	..
Southbridge, ...	10,025	3	1	2	1	1	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,854,033	627	277	200	33	13	102	8

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

Two hundred deaths were reported from the principal infectious diseases : measles, 1 ; cerebro-spinal meningitis, 6 ; diphtheria and croup, 8 ; whooping-cough, 3 ; typhoid fever, 13 ; diarrhœal diseases, 102.

No deaths were reported from scarlet fever, erysipelas, puerperal fever, malarial fever, influenza, or small-pox.

There were 67 deaths from consumption, acute lung diseases, 33, still-births, 34.

From measles : Clinton, 1. From cerebro-spinal meningitis : Worcester, 2 ; Gloucester, 2 ; Marlborough, and Southbridge, 1 each. From diphtheria and croup : Boston, Worcester, Lowell, Cambridge, Springfield, Somerville, Holyoke and Newton, 1 each. From whooping-cough : Boston, 2 ; North Adams, 1. From typhoid fever : Boston, 4 ; Worcester, Lowell, New Bedford, Springfield, Everett, Waltham, Newburyport, Revere and Southbridge, 1 each.

Deaths under five years of age numbered 277, as compared with 285 for the preceding week.

Deaths from the principal infectious diseases numbered 200, as compared with 262 for the preceding week.

The death rates for the week were, Boston, 19.10 ; Worcester, 9.66 ; Fall River, 25.77 ; Lowell, 25.18 ; Cambridge, 6.79 ; Lawrence, 18.28 ; New Bedford, 19.97 ; Springfield, 13.40 ; Somerville, 14.31 ; Holyoke, 18.19 ; Brockton, 23.36 ; Haverhill, 7.00 ; Salem, 27.47 ; Chelsea, 7.63 ; Malden, 15.44 ; Newton, 13.93 ; Fitchburg, 16.49 ; Taunton, 25.12 ; Gloucester, 19.90 ; Everett, 10.68 ; North Adams, 10.74 ; Quincy, 15.21 ; Waltham, 19.93 ; Pittsfield, 7.17 ; Chicopee 19.00 ; Northampton, 22.31 ; Medford, 14.25 ; Newburyport, 35.90 ; Beverly, 14.98 ; Clinton, 26.60 ; Marlborough, 11.46 ; Melrose, 12.00 ; Weymouth, 27.54 ; Framingham, 23.00 ; Revere, 30.00 ; Southbridge, 15.60.

The total death rate for the week was 19.34, as compared with 20.06 and 17.73 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 14, 1901.

(Under the Provisions of Chapter 802 of the Acts of 1898.)

Scarlet fever,	42	Measles,	20
Diphtheria and croup,	76	Typhoid fever,	114
Small-pox,	2		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 14, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 8,	29.94	62	70	54	63	69	66	N.	N. W.	15	10		O.	C.			0.00
Monday, 9,	30.08	61	72	50	63	67	65	N. W.	W.	12	10		C.	C.			0.00
Tuesday, 10,	30.08	64	74	55	66	71	68	W.	S. W.	7	7		F.	O.			T
Wednesday, 11,	29.80	68	74	63	95	83	89	S.	S. W.	6	8		R.	O.			0.62
Thursday, 12,	29.66	68	75	62	82	75	88	W.	S. W.	9	15		O.	C.			0.08
Friday, 13,	29.63	74	80	68	89	75	82	S. W.	W.	7	7		O.	O.			T
Saturday, 14,	29.95	70	79	62	75	77	76	N. W.	W.	7	2		C.	C.			0.00
Week,	29.88		75	59			76										0.70

* O. = Cloudy ; C. = Clear ; F. = Fair ; G. = Fog ; H. = Hazy ; S. = Smoky ; R. = Rain ; T. = Threatening ; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of August, 1901 :—

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	469	94	563	Canned Goods, .	..	..	..
Butter, . . .	11	..	11	Honey, . . .	1	..	1
Cheese, . . .	2	..	2	Tea, . . .	1	..	1
Lard, . . .	2	..	2	Coffee, . . .	7	..	7
Olive Oil, . . .	..	..	..	Cocoa and Chocolate,	..	1	1
Vinegar, . . .	2	1	3	Confectionery, .	..	..	..
Spices, . . .	117	17	134	Other articles of Food and Drinks,	..	..	..
Cream of Tartar, .	29	..	29	Cooking Utensils, .	1	..	1
Molasses, . . .	8	3	11	Condensed Milk, .	2	..	2
Syrups, . . .	..	..	..	Miscellaneous, .	4	1	5
Maple Sugar, . .	..	..	..				
Maple Syrup, . .	..	..	..				
				Totals, . .	656	117	773

Percentage of adulteration, 15.1. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 16.7 per cent., while the percentage of articles of food was 10.9 per cent.

Seven complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. These were for the violation of the laws relative to the sale of milk. Ten samples of milk were found to be colored, fifteen samples contained preservatives.

The samples of drugs found to be adulterated were Aqua Destillata, Glycerinum, Liquor Calcis, Oleum Olivæ, Opii Pulvis, Potassii et Sodii Tartras, Spiritus Aetheris, Nitrosi, Tinctura Iodi, Tinctura Opii.

Cities and towns from which samples of food were collected were Boston, Fall River, Cambridge, Somerville, Newton, Gloucester, Quincy, Melrose, Rockland, Peabody, Nantucket, Onset, Provincetown, Bedford, Pepperill, Ayer, Attleborough, Revere, Lowell, Dedham, Canton, Winthrop, Brookline, West Brookfield, Worcester, Chelsea, Needham, Malden, Haverhill, Taunton, Salem, Lawrence, Fitchburg, Newburyport, Salisbury Beach and Everett.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 21, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 38.

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MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 21, 1901.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	216	82	80	16	6	47	1
Worcester, ...	118,421	42	16	16	1	1	11	..
Fall River, ...	104,863	38	28	14	1	..	12	1
Lowell, ...	94,969	56	31	18	4	..	10	3
Cambridge, ...	91,886	28	10	9	..	..	2	..
Lynn, ...	68,513	15	5	7	..	..	2	..
Lawrence, ...	62,559	21	16	7	2	..	5	..
New Bedford, ...	62,442	21	7	4	1	..	..	..
Springfield, ...	62,059	12	3	5	..	1	1	..
Somerville, ...	61,643	10	4	3	1	1	1	..
Holyoke, ...	45,712	15	9	7	2	..	4	1
Brockton, ...	40,063	15	6	9	1	..	7	..
Haverhill, ...	37,175	9	5	4	..	..	3	..
Salem, ...	35,956	12	8	4	..	..	2	..
Chelsea, ...	34,072	9	1	..	..	..	..	..
Malden, ...	33,664	7	2	1	..	..	..	..
Newton, ...	33,587	15	7	2	2	..	1	..
Fitchburg, ...	31,531	10	5	1	..	..	..	..
Taunton, ...	31,036	20	..	8	2	1	6	..
Gloucester, ...	26,121	8	4	2	..	..	..	..
Everett, ...	24,336	14	5	3	..	..	..	1
North Adams, ...	24,200	5	3	1	..	..	..	..
Quincy, ...	23,899	2	1	2	..	..	1	..
Waltham, ...	23,481	11	5	9	..	..	7	..
Pittsfield, ...	21,766	3	2	..	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	7	5	1	..	..	1	..
Northampton, ...	18,643	4	1	1	..	..	..	..
Medford, ...	18,244	6	..	2	..	..	2	..
Newburyport, ...	14,478	8	3	3	1	..	3	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	3	2	..	..	..	..	..
Clinton, ...	13,667	3	2	2	..	..	2	..
Marlborough, ...	13,609	6	..	2	..	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	3	2	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	..	..	..	..	..	..	..
Framingham, ...	11,302	2	1	1	..	..	1	..
Revere, ...	10,395	1	1	..	..	..	..	..
Southbridge, ...	10,025	4	..	4	..	1	3	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,911,222	661	282	232	34	11	134	7

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

Two hundred and thirty-two deaths were reported from the principal infectious diseases : measles, 1 ; scarlet fever, 1 : cerebro-spinal meningitis, 8 ; diphtheria and croup, 7 ; erysipelas, 2 ; typhoid fever, 11 ; diarrhœal diseases, 134.

No deaths were reported from whooping-cough, puerperal fever, malarial fever, influenza, or small-pox.

There were 68 deaths from consumption, acute lung diseases, 34, still-births, 41.

From measles : Boston, 1. From cerebro-spinal meningitis : Boston, 1 ; Worcester, 2 ; Lynn, 2 ; Taunton, Everett and Marlborough, 1 each. From scarlet fever : Boston, 1. From diphtheria and croup : Boston, 1 ; Fall River, 1 ; Lowell, 3 ; Holyoke, 1 ; Everett, 1. From erysipelas : Boston and Quincy, 1 each. From typhoid fever : Boston, 6 ; Worcester, 1 ; Springfield, Somerville, Taunton and Southbridge, 1 each.

Deaths under five years of age numbered 282, as compared with 277 for the preceding week.

Deaths from the principal infectious diseases numbered 232, as compared with 200 for the preceding week.

The death rates for the week were, Boston, 20.03 ; Worcester, 18.44 ; Fall River, 18.83 ; Lowell, 30.66 ; Cambridge, 15.84 ; Lynn, 11.38 ; Lawrence, 17.45 ; New Bedford, 17.45 ; Springfield, 10.05 ; Somerville, 8.42 ; Holyoke, 17.05 ; Brockton, 19.47 ; Haverhill, 12.60 ; Salem, 17.35 ; Chelsea, 13.73 ; Malden, 10.80 ; Newton, 23.22 ; Fitchburg, 16.50 ; Taunton, 33.50 ; Gloucester, 15.92 ; Everett, 30.00 ; North Adams, 10.04 ; Quincy, 4.35 ; Waltham, 24.35 ; Pittsfield, 7.17 ; Chicopee, 19.00 ; Northhampton, 11.15 ; Medford, 17.10 ; Newburyport, 28.73 ; Beverly, 11.24 ; Clinton, 11.40 ; Marlborough, 22.92 ; Melrose, 12.03 ; Framingham, 9.20 ; Revere, 5.00 ; Southbridge, 20.80.

The total death rate for the week was 17.98, as compared with 19.34 and 20.06 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 21, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever, ...	50	Measles, ...	27
Diphtheria and croup, ...	121	Typhoid fever, ...	111
Small-pox, ...	12		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 21, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 15,	29.91	70	78	63	92	91	92	S. W.	S. W.	9	10	O.	O.			T
Monday, . . 16,	29.91	76	84	67	75	74	74	S. W.	S. W.	12	15	C.	C.			0.24
Tuesday, . . 17,	29.88	68	76	61	85	82	84	S. W.	S.	3	17	O.	O.			0.24
Wednesday, . 18,	30.00	58	63	54	78	79	78	W.	S.	7	4	O.	O.			0.05
Thursday, . . 19,	30.18	60	68	51	91	80	86	W.	N.	7	10	O.	C.			0.26
Friday, . . 20,	30.18	53	59	47	81	94	88	N.	N. E.	8	12	O.	C.			0.19
Saturday, . . 21,	30.17	56	68	45	83	61	72	W.	N. W.	8	4	C.	C.			0.01
Week, . . .	30.03		71	55			82									0.99

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

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MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 28, 1901.

Deaths reported to the State Board of Health in 34 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	560,892	224	75	58	18	3	25	2
Worcester,	118,421	41	16	10	2	1	5	..
Fall River,	104,863	43	28	22	..	..	15	2
Lowell,	94,969	47	30	11	3	..	5	4
Cambridge,	91,886	22	11	3	1	1	..	..
Lynn,	68,513	..	..	..	..	..	..	..
Lawrence,	62,559	36	19	13	1	..	6	..
New Bedford,	62,442	24	11	5	..	..	2	1
Springfield,	62,059	19	3	7	1	2	3	..
Somerville,	61,643	21	5	7	2	1	4	..
Holyoke,	45,712	18	8	5	1	..	2	1
Brockton,	40,063	15	6	3	1	..	2	..
Haverhill,	37,175	10	1	5	..	2	..	1
Salem,	35,956	14	5	5	1	..	4	..
Chelsea,	34,072	12	3	3	..	..	..	..
Malden,	33,664	11	5	2	..	..	1	..
Newton,	33,587	6	1	1	..	..	1	..
Fitchburg,	31,531	5	1	..	1	..	..	..
Taunton,	31,036	16	5	4	..	..	3	..
Gloucester,	26,121	6	1	2	..	..	..	..
Everett,	24,336	7	5	1	..	..	..	..
North Adams,	24,200	11	4	2	..	..	..	..
Quincy,	23,899	6	2	3	..	1	2	..
Waltham,	23,481	6	2	2	..	..	1	..
Pittsfield,	21,766	4	2	2	..	1	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	1	..	..	..	..	..	..
Northampton,	18,643	3	2	1	..	..	..	..
Medford,	18,244	3	2	..	..	..	..	..
Newburyport,	14,478	5	1	1	..	..	1	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	3	..	1	..	..	..	..
Clinton,	13,667	9	2	2	..	..	2	..
Marlborough,	13,609	7	1	4	..	..	..	3
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	..	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	4	2	1	..	..	..	..
Framingham,	11,302	..	..	..	..	..	..	..
Revere,	10,395	4	2	..	..	..	..	..
Southbridge,	10,025	2	1	1	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,829,769	665	262	187	32	12	84	15

Deaths from Prevalent Diseases in 34 Cities and Larger Towns of Massachusetts.

One hundred and eighty-eight deaths were reported from the principal infectious diseases : measles, 2 ; scarlet fever, 2 ; cerebro-spinal meningitis, 7 ; diphtheria and croup, 15 ; whooping-cough, 5 ; typhoid fever, 12 ; diarrhœal diseases, 84 ; malarial fever, 1 ; small-pox, 1.

No deaths were reported from erysipelas, puerperal fever or influenza.

There were 59 deaths from consumption, acute lung diseases, 32, still-births, 29.

From measles : Boston, 2. From scarlet fever : Boston, 2. From cerebro-spinal meningitis : Boston, 1 ; Worcester, 3 ; Springfield, Gloucester and Marlborough, 1 each. From diphtheria and croup : Boston, 2 ; Fall River, 2 ; Lowell, 4 ; Marlborough, 3 ; New Bedford, Holyoke, Haverhill and Southbridge, 1 each. From whooping-cough : Boston, 3 ; Lowell and Holyoke, 1 each. From typhoid fever : Boston, 3 ; Springfield, 2 ; Haverhill, 2 ; Worcester, Cambridge, Somerville, Quincy and Pittsfield, 1 each. From small-pox : Boston, 1.

Deaths under five years of age numbered 262, as compared with 282 for the preceding week.

Deaths from the principal infectious diseases numbered 188, as compared with 232 for the preceding week.

The death rates for the week were, Boston, 20.76 ; Worcester, 18.00 ; Fall River, 21.31 ; Lowell, 25.73 ; Cambridge, 12.45 ; Lynn, ——; Lawrence, 29.91 ; New Bedford, 19.97 ; Springfield, 15.90 ; Somerville, 17.68 ; Holyoke, 20.47 ; Brockton, 19.47 ; Haverhill, 14.00 ; Salem, 20.24 ; Chelsea, 18.31 ; Malden, 16.98 ; Newton, 9.30 ; Fitchburg, 8.24 ; Taunton, 26.80 ; Gloucester, 11.94 ; Everett, 14.96 ; North Adams, 23.63 ; Quincy, 13.04 ; Waltham, 13.28 ; Pittsfield, 9.56 ; Chicopee, 2.71 ; Northhampton, 8.37 ; Medford, 8.55 ; Newburyport, 16.95 ; Beverly, 11.24 ; Clinton, 34.20 ; Marlborough, 26.74 ; Weymouth, 18.36 ; Revere, 20.00 ; Southbridge, 10.40.

The total death rate for the week was 18.87, as compared with 17.98 and 19.34 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Sept. 28, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	52	Measles,	47
Diphtheria and croup,	172	Typhoid fever,	130
Small-pox,	3		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 28, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 22,	30.30	60	71	48	73	75	74	W.	S. W.	2	10	C.	C.			0.00
Monday, 23,	30.19	67	78	56	78	78	78	S. W.	S. W.	14	21	C.	C.			0.00
Tuesday, 24,	30.13	68	83	53	81	62	72	S. W.	N.	13	15	C.	O.			0.00
Wednesday, 25,	30.44	52	57	46	61	62	62	N.	N. W.	12	3	C.	C.			0.00
Thursday, 26,	30.49	52	60	44	67	73	70	N.	S.	5	6	C.	C.			0.00
Friday, 27,	30.44	60	70	50	73	66	70	S. W.	S. W.	12	12	C.	C.			0.00
Saturday, 28,	30.32	64	76	52	82	77	80	S. W.	S. W.	8	10	O.	C.			0.00
Week,	30.33		71	50			72									0.00

* O. = Cloudy ; C. = Clear ; F. = Fair ; G. = Fog ; H. = Hazy ; S. = Smoky ; R. = Rain ; T. = Threatening ; N. = Snow .

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 5, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 40.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 5, 1901.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	213	86	61	22	5	21	4
Worcester, ...	118,421	30	12	6	2	1	1	..
Fall River, ...	104,863	30	21	15	1	1	11	2
Lowell, ...	94,969	46	18	9	6	..	2	3
Cambridge, ...	91,886	28	10	10	1	1	3	..
Lynn, ...	68,513	14	4	2	1	..	1	..
Lawrence, ...	62,559	20	9	3	2	..	..	..
New Bedford, ...	62,442	20	5	10	1	..	5	..
Springfield, ...	62,059	21	1	5	..	1	1	1
Somerville, ...	61,643	10	3	5	..	1	2	1
Holyoke, ...	45,712	14	6	5	1	..	3	1
Brockton, ...	40,063	12	4	2	..	1	..	..
Haverhill, ...	37,175	3	..	1	..	..	..	..
Salem, ...	35,956	9	4	..	..	..	..	..
Chelsea, ...	34,072	15	5	1	1	..	..	..
Malden, ...	33,664	7	2	..	2	..	..	..
Newton, ...	33,587	10	3	3	..	..	3	..
Fitchburg, ...	31,531	6	2	1	1	..	..	..
Taunton, ...	31,036	6	2	2	..	..	..	..
Gloucester, ...	26,121	6	1	1	1	..	..	..
Everett, ...	24,336	7	4	..	..	..	..	..
North Adams, ...	24,200	9	4	3	..	..	1	..
Quincy, ...	23,899	7	3	1	..	..	..	..
Waltham, ...	23,481	5	2	1	..	..	1	..
Pittsfield, ...	21,766	4	..	1	..	1	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	6	2	1	..	..	..	..
Northampton, ...	18,643	..	..	..	..	..	..	..
Medford, ...	18,244	3	..	1	..	..	..	..
Newburyport, ...	14,478	2	1	1	..	..	1	..
Woburn, ...	14,254	4	2	1	..	..	..	..
Beverly, ...	13,884	5	2	1	..	..	..	..
Clinton, ...	13,667	5	1	1	..	..	..	..
Marlborough, ...	13,609	3	2	1	1	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	8	5	1	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	5	2	1	..	..	..	..
Framingham, ...	11,302	2	1	2	..	..	2	..
Revere, ...	10,395	..	..	..	..	..	..	..
Southbridge, ...	10,025	3	..	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,907,762	598	229	159	44	12	58	12

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

One hundred and fifty-nine deaths were reported from the principal infectious diseases : measles, 1 ; scarlet fever, 6 ; cerebro-spinal meningitis, 6 ; diphtheria and croup, 12 ; whooping-cough, 3 ; typhoid fever, 12 ; puerperal fever, 1 ; diarrhœal diseases, 58 ; small-pox, 1.

No deaths were reported from erysipelas, malarial fever or influenza.

There were 59 deaths from consumption, acute lung diseases, 44, still-births, 37.

From measles : Boston, 1. From cerebro-spinal meningitis : Boston, 3 ; Worcester, 1 ; New Bedford, 2. From scarlet fever : Boston, 3 ; Cambridge, Taunton and Marlborough, 1 each. From diphtheria and croup : Boston, 4 ; Fall River, 2 ; Lowell, 3 ; Springfield, Somerville and Holyoke, 1 each. From whooping-cough : Boston, 2 ; Lawrence, 1. From typhoid fever : Boston, 5 ; Worcester, Fall River, Cambridge, Springfield, Somerville, Brockton and Pittsfield, 1 each. From small-pox : Boston, 1.

Deaths under five years of age numbered 229, as compared with 262 for the preceding week.

Deaths from the principal infectious diseases numbered 159, as compared with 187 for the preceding week.

The death rates for the week were, Boston, 19.75 ; Worcester, 13.17 ; Fall River, 14.87 ; Lowell, 25.18 ; Cambridge, 15.84 ; Lynn, 10.62 ; Lawrence, 10.62 ; New Bedford, 16.64 ; Springfield, 17.59 ; Somerville, 8.42 ; Holyoke, 15.92 ; Brockton, 15.57 ; Haverhill, 4.20 ; Salem, 13.00 ; Chelsea, 22.89 ; Malden, 10.81 ; Newton, 15.48 ; Fitchburg, 9.90 ; Taunton, 10. 05 ; Gloucester, 11.94 ; Everett, 14.96 ; North Adams, 19.33 ; Quincy, 15.21 ; Waltham, 11.07 ; Pittsfield, 9.56 ; Chicopee, 16.28 ; Medford, 8.55 ; Newburyport, 7.18 ; Woburn, 14.60 ; Beverly, 18.73 ; Clinton, 19.00 ; Marlborough, 11.46 ; Melrose, 32.00 ; Weymouth, 22.96 ; Framingham, 9.20 ; Southbridge, 15.60.

The total death rate for the week was 16.35, as compared with 18.87 and 17.98 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 5, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1898.)

Scarlet fever,	54	Measles,	26
Diphtheria and croup,	208	Typhoid fever,	132
Small-pox,	10		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 5, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, Sept. 29,	29.95	66	74	59	66	69	68	S.	S.	9	12	R.	R.		0.50
Monday, 30,	29.89	66	80	52	62	65	64	W.	W.	14	10	C.	C.		0.09
Tuesday, Oct. 1,	30.12	60	68	51	82	83	82	N.	S.	6	13	C.	C.		0.00
Wednesday, 2,	29.75	64	73	56	89	87	88	S.	S.	10	15	O.	O.		0.00
Thursday, 3,	29.68	56	63	49	82	74	78	N. W.	W.	14	4	O.	C.		0.76
Friday, 4,	29.94	52	61	44	73	73	73	N. W.	W.	12	5	C.	C.		0.00
Saturday, 5,	30.12	52	61	43	76	74	75	N. W.	W.	12	10	C.	C.		0.00
Week,	29.92		69	51			75								1.35

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 12, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 41.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

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STATE BOARD OF HEALTH.

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CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 12, 1901.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	560,892	222	65	62	19	14	14	2
Worcester,	118,421	34	15	9	2	1	5	..
Fall River,	104,863	38	16	17	1	..	11	..
Lowell,	94,969	35	..	8	4	..	1	5
Cambridge,	91,886	..	..	..	..	..	..	..
Lynn,	68,513	23	5	5	..	..	2	..
Lawrence,	62,559	26	9	5	..	1	2	..
New Bedford,	62,442	17	7	7	1	2	3	..
Springfield,	62,059	8	2	..	1	..	..	..
Somerville,	61,643	14	3	2	1	..	1	1
Holyoke,	45,712	14	2	3	2	1	..	1
Brockton,	40,063	15	5	4	..	1	1	1
Haverhill,	37,175	8	1	3	..	1	..	..
Salem,	35,956	10	3	5	..	..	1	1
Chelsea,	34,072	9	5	3	..	1	1	1
Malden,	33,664	12	3	2	..	..	..	..
Newton,	33,587	8	2	2	..	..	1	..
Fitchburg,	31,531	6	3	1	..	..	..	..
Taunton,	31,036	10	3	3	1	..	1	1
Gloucester,	26,121	4	3	..	..	..	..	..
Everett,	24,336	6	3	2	..	1	..	..
North Adams,	24,200	8	2	2	2	2	..	..
Quincy,	23,899	8	..	4	..	1	1	..
Waltham,	23,481	7	2	2	..	..	1	..
Pittsfield,	21,766	5	4	..	..	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	4	2	1	2	..	..	1
Northampton,	18,643	7	1	2	..	1	..	..
Medford,	18,244	3	..	..	..	..	..	..
Newburyport,	14,478	5	..	..	..	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	7	1	1	..	..	..	..
Clinton,	13,667	6	3	1	..	..	..	1
Marlborough,	13,609	6	1	2	..	..	..	1
Hyde Park,	13,244	7	3	1	..	..	1	..
Melrose,	12,962	4	1	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	7	1	..	..	..	..	..
Framingham,	11,302	5	1	2	1	..	1	..
Revere,	10,395	1	1	..	..	..	..	..
Southbridge,	10,025	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,833,879	609	178	161	37	27	48	16

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

One hundred and sixty-one deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 3; cerebro-spinal meningitis, 7; diphtheria and croup, 16; whooping-cough, 3; typhoid fever, 27; diarrhœal diseases, 48.

No deaths were reported from erysipelas, puerperal fever, malarial fever, influenza or small-pox.

There were 56 deaths from consumption, acute lung diseases, 37, still-births, 40.

From measles: Lowell, 1. From scarlet fever: Boston, 2; Salem, 1. From cerebro-spinal meningitis: Boston, 3; Worcester, 1; Lynn, 2; Marlborough, 1. From diphtheria and croup: Boston, 2; Lowell, 5; Somerville, Holyoke, Brockton, Salem, Chelsea, Taunton, Chicopee, Clinton and Marlborough, 1 each. From whooping-cough: Boston, 1; Quincy, 2. From typhoid fever: Boston, 14; Worcester, 1; Lawrence, 1; New Bedford, 2; North Adams, 2; Holyoke, Brockton, Haverhill, Chelsea, Everett, Quincy and Northampton, 1 each.

Deaths under five years of age numbered 178, as compared with 229 for the preceding week.

Deaths from the principal infectious diseases numbered 161, as compared with 159 for the preceding week.

The death rates for the week were, Boston, 20.58; Worcester, 14.93; Fall River, 18.83; Lowell, 19.16; Cambridge ——; Lynn, 17.45; Lawrence, 21.59; New Bedford, 14.14; Springfield, 6.70; Somerville, 11.79; Holyoke, 15.92; Brockton, 19.47; Haverhill, 11.20; Salem, 14.46; Chelsea, 13.73; Malden, 18.52; Newton, 12.38; Fitchburg, 9.89; Taunton, 16.75; Gloucester, 7.96; Everett, 12.82; North Adams, 17.18; Quincy, 17.38; Waltham, 15.50; Pittsfield, 11.94; Chicopee, 10.85; Northampton, 19.52; Medford, 8.55; Newburyport, 17.95; Woburn, ——; Beverly, 26.22; Clinton, 22.82; Marlborough, 22.92; Hyde Park, 27.48; Melrose, 16.05; Weymouth, 32.15; Framingham, 23.00; Revere, 5.00.

The total death rate for the week was 17.26, as compared with 16.35 and 18.87 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 12, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	73	Measles,	76
Diphtheria and croup,	228	Typhoid fever,	122
Small-pox,	6		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 12, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 6,	30.10	46	50	43	82	75	78	W.	N. W.	12	12	O.	C.		0.12
Monday, . . 7,	30.45	50	60	40	79	70	74	N. W.	S. W.	8	8	C.	C.		0.00
Tuesday, . . 8,	30.36	57	70	44	74	69	72	W.	S. W.	6	12	C.	C.		0.00
Wednesday, . 9,	30.24	62	72	52	77	89	83	S. W.	S. W.	17	13	F.	C.		0.00
Thursday, . . 10,	30.30	64	73	56	84	79	72	S. W.	S.	6	4	C.	C.		0.00
Friday, . . 11,	30.26	58	63	54	90	94	92	S.	S. E.	2	3	C.	C.		0.00
Saturday, . . 12,	30.14	56	59	52	97	97	97	E.	S. E.	6	10	O.	O.		T
Week, . . .	30.26		64	49			81								0.12

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of September, 1901 : —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	429	84	516
Butter,	10	..	10
Cheese,	2	..	2
Lard,	2	..	2
Olive Oil,	..	..	..
Vinegar,	6	5	11
Spices,	114	29	143
Cream of Tartar,	16	1	17
Molasses,	8	2	10
Syrups,	..	..	..
Maple Sugar,	..	..	..
Maple Syrup,	..	..	..

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Canned Goods,	1	1	2
Honey,	..	..	..
Tea,	8	..	8
Coffee,	12	..	12
Cocoa and Chocolate,	1	1	2
Confectionery,	10	..	10
Other articles of Food and Drinks,	..	..	..
Drugs,	..	..	..
Condensed Milk,	5	11	16
Miscellaneous,	3	10	13
Totals,	627	147	774

Percentage of adulteration, 19.0. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 16.9 per cent., while the percentage of articles of food was 23.2 per cent.

Eight complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. These were for the violation of the laws relative to the sale of milk. Three of the samples contained preservatives. The parties were all found guilty, one case was placed on file. All the others paid fines. Total amount, $185.

The samples of drugs found to be adulterated were Capsicum, Cera Alba, Cera Flava, Glycerinum, Liquor Calcis, Oleum Limonis, Oleum Mentha Pipertæ, Oleum Olivæ, Quinina, Sodii Boras, Spiritus Aetheris Nitrosi, Spiritus Frumenti, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Fall River, Lowell, Cambridge, Chelsea, Springfield, Medford, Lynn, Haverhill, Somerville, Salem, Taunton, Stoneham, Malden, Holyoke, Hyde Park, Newton, Ayer, Stoughton, Revere, Littleton, Needham, Clinton, Fitchburg, Quincy, Dedham, Gloucester, Waltham, Plymouth, Bedford, Braintree, Wareham, Weymouth and Watertown.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 19, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 42.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 19, 1901.

Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	194	55	59	17	7	20	3
Worcester, ...	118,421	21	10	9	..	..	2	1
Fall River, ...	104,863	50	19	13	2	..	8	2
Lowell, ...	94,969	34	20	5	4	..	1	3
Cambridge, ...	91,886	..	..	..	..	..	..	..
Lynn, ...	68,513	15	1	2	2	..	..	..
Lawrence, ...	62,559	27	18	7	4	..	1	..
New Bedford, ...	62,442	22	9	2	1	..	..	..
Springfield, ...	62,059	9	2	1	..	..	..	..
Somerville, ...	61,643	..	..	..	..	..	..	..
Holyoke, ...	45,712	13	9	2	3	..	..	..
Brockton, ...	40,063	3	..	..	..	..	..	..
Haverhill, ...	37,175	10	4	..	..	..	..	2
Salem, ...	35,956	10	4	2	..	..	..	..
Chelsea, ...	34,072	14	3	2	..	1	..	1
Malden, ...	33,664	6	2	1	..	..	1	..
Newton, ...	33,587	7	1	1	..	..	..	..
Fitchburg, ...	31,531	7	3	2	1	..	..	..
Taunton, ...	31,036	4	..	1	..	..	..	..
Gloucester, ...	26,121	6	3	1	..	..	..	..
Everett, ...	24,336	11	6	2	2	..	..	1
North Adams, ...	24,200	9	2	..	1	..	..	..
Quincy, ...	23,899	..	..	..	..	..	..	..
Waltham, ...	23,481	8	2	..	1	..	..	..
Pittsfield, ...	21,766	1	..	..	1	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	9	6	1	..	..	..	1
Northampton, ...	18,643	6	..	1	..	..	..	..
Medford, ...	18,244	3	2	..	1	..	..	..
Newburyport, ...	14,478	3	..	..	1	..	..	..
Woburn, ...	14,254	7	3	1	..	..	..	..
Beverly, ...	13,884	5	..	..	..	..	..	..
Clinton, ...	13,667	4	3	1	..	..	1	..
Marlborough, ...	13,609	7	1	..	..	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	5	1	1	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	6	1	..	..	..	..	..
Framingham, ...	11,302	1	..	..	..	..	..	..
Revere, ...	10,395	..	..	..	..	..	..	..
Southbridge, ...	10,025	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,738,952	537	190	117	41	8	34	14

Deaths from Prevalent Diseases in 33 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases : scarlet fever, 2 ; cerebro-spinal meningitis, 3 ; diphtheria and croup, 14 ; erysipelas, 1 ; typhoid fever, 8 ; diarrhœal diseases, 34 ; small-pox, 2.

No deaths were reported from measles, whooping-cough, puerperal fever, malarial fever or influenza.

There were 55 deaths from consumption, acute lung diseases, 41, still-births, 29.

From scarlet fever : Salem, 2. From cerebro-spinal meningitis : Boston, Worcester and Gloucester, 1 each. From diphtheria and croup : Boston, 3 ; Lowell, 3 ; Fall River, 2 ; Haverhill, 2 ; Worcester, Chelsea, Everett and Chicopee, 1 each. From erysipelas : Worcester, 1. From typhoid fever : Boston, 7 ; Chelsea, 1. From small-pox : Boston 2.

Deaths under five years of age numbered 190, as compared with 178 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 161 for the preceding week.

The death rates for the week were, Boston, 17.98 ; Worcester, 9.22 ; Fall River, 24.78 ; Lowell, 18.61 ; Lynn, 11.38 ; Lawrence, 22.42 ; New Bedford, 18.30 ; Springfield, 7.54 ; Holyoke, 14.88 ; Brockton, 3.89 ; Haverhill, 14.00 ; Salem, 14.46 ; Chelsea, 21.31 ; Malden, 9.26 ; Newton, 10.73 ; Fitchburg, 11.54 ; Taunton, 6.70 ; Gloucester, 11.94 ; Everett, 23.50 ; North Adams. 19.33 ; Waltham, 17.71 ; Pittsfield, 2.39 ; Chicopee, 24.41 ; Northampton, 16.73 ; Medford, 8.55 ; Newburyport, 10.77 ; Woburn, 25.54 ; Beverly, 18.73 ; Clinton, 15.21 ; Marlborough, 26.74 ; Melrose, 20.06 ; Weymouth, 27.56 ; Framingham, 4.60.

The total death rate for the week was 16.07, as compared with 17.26 and 16.35 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 19, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	76	Measles,	42
Diphtheria and croup,	154	Typhoid fever,	122
		Small-pox,	19

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 19, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 13,	30.10	62	69	55	94	95	94	S. E.	S.	8	12	O.	O.		T
Monday, . . 14,	29.90	63	70	56	100	97	98	N.	N.	8	8	C.	O.		1.98
Tuesday, . . 15,	30.06	58	65	50	78	71	74	N. W.	W.	13	5	C.	C.		0.15
Wednesday, . 16,	30.09	58	69	48	80	80	80	W.	S. W.	10	9	C.	C.		0.00
Thursday, . . 17,	29.79	57	69	45	80	78	79	S.	N. W.	13	12	O.	O.		0.01
Friday, . . 18,	29.98	46	53	40	63	66	64	N. W.	W.	16	12	F.	C.		0.00
Saturday, . . 19,	29.96	53	66	40	56	66	61	S. W.	W.	21	24	C.	F.		0.00
Week, . . .	29.97		66	48			79								2.14

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 26, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 43.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 26, 1901.

Deaths reported to the State Board of Health in 35 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under Five Years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	208	62	62	26	4	19	10
Worcester, ...	118,421	26	8	4	7	1	1	..
Fall River, ...	104,863	32	11	11	2	1	5	..
Lowell, ...	94,969	48	16	10	4	..	..	6
Cambridge, ...	91,886	30	9	10	2	..	1	..
Lynn, ...	68,513	..	..	..	..	..	..	..
Lawrence, ...	62,559	13	5	1	1	..	..	..
New Bedford, ...	62,442	18	5	5	2	..	..	..
Springfield, ...	62,059	12	4	3	3	..	1	..
Somerville, ...	61,643	..	..	..	..	..	..	..
Holyoke, ...	45,712	12	4	4	..	1	..	..
Brockton, ...	40,063	14	3	1	..	..	..	..
Haverhill, ...	37,175	13	4	2	..	..	..	1
Salem, ...	35,956	13	6	3	2	..	..	..
Chelsea, ...	34,072	10	3	..	..	..	..	..
Malden, ...	33,664	7	3	1	1	1	..	..
Newton, ...	33,587	4	2	2	..	1	..	..
Fitchburg, ...	31,531	8	4	1	1	..	..	1
Taunton, ...	31,036	12	2	..	3	..	..	..
Gloucester, ...	26,121	9	3	2	..	..	..	..
Everett, ...	24,336	5	1	..	1	..	..	..
North Adams, ...	24,200	6	..	2	1	..	..	1
Quincy, ...	23,899	..	..	..	..	..	..	..
Waltham, ...	23,481	4	..	2	..	1	..	..
Pittsfield, ...	21,766	..	..	..	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	4	2	1	1	1	..	..
Northampton, ...	18,643	7	..	1	..	1	..	..
Medford, ...	18,244	4	2	3	..	..	1	..
Newburyport, ...	14,478	6	..	1	2	..	..	..
Woburn, ...	14,254	3	..	..	..	..	..	..
Beverly, ...	13,884	3	2	..	..	..	..	..
Clinton, ...	13,667	4	1	..	1	..	..	..
Marlborough, ...	13,609	11	..	3	..	..	..	..
Hyde Park, ...	13,244	3	..	..	..	..	..	..
Melrose, ...	12,962	4	2	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	4	1	1	..	..	..	..
Framingham, ...	11,302	2	..	..	..	..	..	..
Revere, ...	10,395	5	1	2	2	..	..	..
Southbridge, ...	10,025	2	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,774,223	566	166	138	62	12	28	19

Deaths from Prevalent Diseases in 35 Cities and Larger Towns of Massachusetts.

One hundred and thirty-eight deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 2; cerebro-spinal meningitis, 2; diphtheria and croup, 19; whooping-cough, 4; typhoid fever, 12; diarrhœal diseases, 28.

No deaths were reported from erysipelas, puerperal fever, malarial fever, influenza or small-pox.

There were 70 deaths from consumption, acute lung diseases, 62, still-births, 40.

From measles: Cambridge, 1. From scarlet fever: Salem and Medford, 1 each. From cerebro-spinal meningitis: Boston and Brockton, 1 each. From diphtheria and croup: Boston, 10; Lowell, 6; Haverhill, Fitchburg and North Adams, 1 each. From whooping-cough: Boston, Holyoke, Salem and Waltham, 1 each. From typhoid fever: Boston, 4; Worcester, Fall River, Holyoke, Malden, Newton, Waltham, Chicopee and Northampton, 1 each.

Deaths under five years of age numbered 166, as compared with 190 for the preceding week.

Deaths from the principal infectious diseases numbered 138, as compared with 119 for the preceding week.

The death rates for the week were, Boston, 19.28; Worcester, 11.42; Fall River, 15.86; Lowell, 26.28; Cambridge, 16.97; Lawrence, 10.80; New Bedford, 14.97; Springfield, 10.05; Holyoke, 13.64; Brockton, 18.17; Haverhill, 18.20; Salem, 18.80; Chelsea, 15.26; Malden, 10.80; Newton, 6.19; Fitchburg, 13.19; Taunton, 20.10; Gloucester, 17.91; Everett, 10.68; North Adams, 12.89; Waltham, 8.86; Chicopee, 10.85; Northampton, 19.51; Medford, 11.40; Newburyport, 21.54; Woburn, 10.95; Beverly, 11.24; Clinton, 15.21; Marlborough, 42.02; Hyde Park, 11.78; Melrose, 16.04; Weymouth, 18.37; Framingham, 9.20; Revere, 25.00; Southbridge, 10.40.

The total death rate for the week was 16.29, as compared with 16.07 and 17.26 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Oct. 26, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	67	Measles,	124
Diphtheria and croup,	185	Typhoid fever,	101
Small-pox,	9		

(SIGNED) S. W. ABBOTT, M.D.,
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Oct. 26, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 20,	30.38	47	55	39	68	76	72	N. W.	S. W.	12	5		C.	C.			0.00
Monday, 21,	30.34	48	58	39	76	67	72	N. W.	N.	8	3		O.	C.			0.00
Tuesday, 22,	30.03	55	66	44	81	66	74	S. W.	W.	14	12		C.	F.			0.00
Wednesday, 23,	29.61	62	76	49	60	61	60	S. W.	W.	12	17		O.	F.			0.00
Thursday, 24,	29.86	49	57	41	68	66	67	N. W.	N. W.	15	17		F.	C.			0.00
Friday, 25,	30.18	42	49	35	67	71	69	N. W.	W.	12	5		C.	C.			0.00
Saturday, 26,	30.16	51	65	47	72	68	70	W.	S. W.	12	17		C.	C.			0.00
Week,	30.08		61	42			69										0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 2, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 44.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

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CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 2, 1901.

Deaths reported to the State Board of Health in 35 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	178	53	50	20	3	12	3
Worcester, ...	118,421	40	19	5	1	1	1	..
Fall River, ...	104,863	40	19	8	9	1	4	..
Lowell, ...	94,969	38	19	15	6	1	3	5
Cambridge, ...	91,886	22	8	5	3	..	1	3
Lynn, ...	68,513	17	4	1	2	..	..	1
Lawrence, ...	62,559	16	7	3	1	..	..	..
New Bedford, ...	62,442	17	6	1	1	..	1	..
Springfield, ...	62,059	19	4	4	1	..	..	2
Somerville, ...	61,643	16	4	3	3	..	..	..
Holyoke, ...	45,712	14	8	1	2	..	..	1
Brockton, ...	40,063	8	2	..	..	..	..	..
Haverhill, ...	37,175	9	2	1	..	..	..	1
Salem, ...	35,956	10	2	6	..	1	..	1
Chelsea, ...	34,072	17	5	3	..	1	..	1
Malden, ...	33,664	6	3	1	..	..	..	..
Newton, ...	33,587	7	1	1	..	..	..	..
Fitchburg, ...	31,531	7	4	..	1	..	..	..
Taunton, ...	31,036	10	..	4	1	..	..	..
Gloucester, ...	26,121	10	3	3	..	..	..	..
Everett, ...	24,336	8	4	3	..	..	..	..
North Adams, ...	24,200	7	1	2	..	..	1	..
Quincy, ...	23,899	4	..	..	..	..	..	..
Waltham, ...	23,481	7	1	1	..	..	1	..
Pittsfield, ...	21,766	5	2	4	1	1	..	2
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	7	5	..	..	..	..	..
Northampton, ...	18,643	4	..	..	..	..	..	..
Medford, ...	18,244	1	..	..	..	..	..	..
Newburyport, ...	14,478	3	..	1	..	..	1	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	5	1	2	..	..	..	..
Clinton, ...	13,667	6	1	1	..	1	..	..
Marlborough, ...	13,609	4	..	2	1	..	..	1
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	..	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	3	..	..	..	..	..	..
Framingham, ...	11,302	3	1	..	1	..	..	..
Revere, ...	10,395	..	..	..	..	..	..	..
Southbridge, ...	10,025	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,902,126	568	189	131	54	10	25	21

Deaths from Prevalent Diseases in 35 Cities and Larger Towns of Massachusetts.

One hundred and thirty-one deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 4; cerebro-spinal meningitis, 4; diphtheria and croup, 21; erysipelas, 2; typhoid fever, 10; diarrhœal diseases, 25; small-pox, 2.

No deaths were reported from whooping-cough, puerperal fever, malarial fever or influenza.

There were 60 deaths from consumption, acute lung diseases, 54, still-births, 44.

From measles: Boston, 3. From scarlet fever: Boston and Salem, 2 each. From cerebro-spinal meningitis: Boston, Worcester, Fall River and Lawrence, 1 each. From diphtheria and croup: Boston, 3; Lowell, 5; Cambridge, 3; Springfield and Pittsfield, 2 each; Lynn, Holyoke, Haverhill, Salem, Chelsea and Marlborough, 1 each. From erysipelas; Lowell and Everett, 1 each. From typhoid fever: Boston, 3; Worcester, Fall River, Lowell, Salem, Chelsea, Pittsfield and Clinton, 1 each.

Deaths under five years of age numbered 189, as compared with 166 for the preceding week.

Deaths from the principal infectious diseases numbered 131, as compared with 138 for the preceding week.

The death rates for the week were, Boston, 16.50; Worcester, 17.57; Fall River, 19.83; Lowell, 20.80; Cambridge, 12.45; Lynn, 12.90; Lawrence, 13.28; New Bedford, 14.14; Springfield, 15.92; Somerville, 13.47; Holyoke, 15.92; Brockton, 10.40; Haverhill, 12.60; Salem, 14.46; Chelsea, 25.94; Malden, 9.26; Newton, 10.84; Fitchburg, 11.54; Taunton, 16.75; Gloucester, 19.90; Everett, 17.10; North Adams, 15.04; Quincy, 8.69; Waltham, 15.50; Pittsfield, 11.94; Chicopee, 18.99; Northampton, 11.16; Medford, 2.85; Newburyport, 10.77; Beverly, 18.73; Clinton, 22.80; Marlborough, 15.28; Weymouth, 13.78; Framingham, 13.80.

The total death rate for the week was 15.50, as compared with 16.29 and 16.07 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 2, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	100	Measles,	164
Diphtheria and croup,	249	Typhoid fever,	80
Small-pox,	20		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 2, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . Oct. 27,	30.15	57	65	49	66	64	65	S. W.	N.	12	10		C.	O.			0.00
Monday, . . 28,	30.53	44	50	39	88	75	82	N.	S. E.	10	5		C.	C.			0.00
Tuesday, . . 29,	30.61	43	50	36	92	79	86	N. W.	S.	5	8		C.	C.			0.00
Wednesday, . 30,	30.42	52	64	40	86	74	80	W.	S. W.	2	11		O.	C.			0.00
Thursday, . . 31,	30.24	60	71	49	81	74	78	S. W.	S. W.	9	12		C.	C.			0.00
Friday, . Nov. 1,	30.08	57	65	49	80	88	84	S. W.	W.	12	9		O.	O.			0.02
Saturday, . . 2,	30.14	50	57	42	79	69	74	W.	N.	9	9		C.	C.			0.00
Week, . . .	30.31		60	43			78										0.02

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 9, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 45.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 9, 1901.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from Principal Infectious Diseases.	Deaths from Acute Lung Diseases.	Deaths from Typhoid Fever.	Deaths from Diarrhœal Diseases.	Deaths from Diphtheria and Croup.
Boston,	560,892	207	46	53	23	..	10	2
Worcester,	118,421	29	13	3	2	1	2	..
Fall River,	104,863	25	7	7	3	..	2	3
Lowell,	94,969	30	14	8	5	..	..	5
Cambridge,	91,886	31	10	7	3	..	..	1
Lynn,	68,513	16	..	3	..	..	..	..
Lawrence,	62,559	22	14	1	5	..	..	..
New Bedford,	62,442	13	2	3	..	..	..	2
Springfield,	62,059	14	3	2	3	..	..	..
Somerville,	61,643	17	5	5	3	..	..	..
Holyoke,	45,712	19	8	8	..	2	..	1
Brockton,	40,063	9	2	2	..	..	..	..
Haverhill,	37,175	9	1	3	3	1	..	1
Salem,	35,956	7	3	..	..	..	..	..
Chelsea,	34,072	7	..	2	1	..	..	..
Malden,	33,664	10	..	2	3	1	..	1
Newton,	33,587	8	2	2	..	..	1	..
Fitchburg,	31,531	10	3	3	..	1	..	2
Taunton,	31,036	14	1	4	4	..	..	..
Gloucester,	26,121	9	5	3	..	..	..	..
Everett,	24,336	3	1	1	..	..	..	..
North Adams,	24,200	9	4	5	..	..	..	4
Quincy,	23,899	7	1	1	2	..	..	..
Waltham,	23,481	9	3	..	..	..	..	..
Pittsfield,	21,766	4	1	3	1	..	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	2	1	1	..	..	..	1
Northampton,	18,643	3	..	1	..	..	..	..
Medford,	18,244	5	1	2	2	..	..	..
Newburyport,	14,478	3	1	1	..	..	1	..
Woburn,	14,254	3	..	..	1	..	..	..
Beverly,	13,884	3	..	2	..	..	..	..
Clinton,	13,667	3	2	1	..	..	1	..
Marlborough,	13,609	2	1	..	..	..	..	..
Hyde Park,	13,244	..	..	..	..	..	..	..
Melrose,	12,962	5	..	..	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	4	..	..	..	..	..	..
Framingham,	11,302	4	..	..	..	..	..	..
Revere,	10,395	2	2	..	..	..	..	..
Southbridge,	10,025	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,926,775	577	157	139	64	6	17	23

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and thirty-nine deaths were reported from the principal infectious diseases: measles, 3; scarlet fever, 1; cerebro-spinal meningitis, 8; diphtheria and croup, 23; whooping-cough, 4; erysipelas, 1; typhoid fever, 6; diarrhœal diseases, 17; small-pox, 3.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 74 deaths from consumption, acute lung diseases, 54, still-births, 40.

From measles: Boston, 3. From scarlet fever: Lynn, 1. From cerebro-spinal meningitis: Boston, Cambridge, Lynn and Brockton, 1 each; Somerville and Gloucester, 2 each. From diphtheria and croup: Boston, 2; Fall River, 3; Lowell, 5; New Bedford and Fitchburg, 2 each; North Adams, 4; Cambridge, Holyoke, Haverhill, Malden and Chicopee, 1 each. From whooping-cough: Boston, 3; Gloucester, 1. From erysipelas; Boston, 1. From typhoid fever: Holyoke, 2; Worcester, Haverhill, Malden and Fitchburg, 1 each. From diarrhœal diseases: Boston, 10; Worcester and Fall River, 2 each; Newton, Newburyport and Clinton, 1 each. From small-pox: Boston, 3.

Deaths under five years of age numbered 157, as compared with 189 for the preceding week.

Deaths from the principal infectious diseases numbered 139, as compared with 131 for the preceding week.

The death rates for the week were, Boston, 19.18; Worcester, 12.74; Fall River, 12.39; Lowell, 16.42; Cambridge, 17.54; Lynn, 12.14; Lawrence, 18.26; New Bedford, 10.81; Springfield, 11.73; Somerville, 14.31; Holyoke, 21.60; Brockton, 11.68; Haverhill, 12.60; Salem, 10.12; Chelsea, 10.68; Malden, 15.44; Newton, 12.38; Fitchburg, 16.49; Taunton, 23.45; Gloucester, 17.91; Everett, 6.41; North Adams, 19.33; Quincy, 15.21; Waltham, 19.92; Pittsfield, 9.56; Brookline, ——; Chicopee, 5.42; Northampton, 8.37; Medford, 14.25; Newburyport, 10.77; Woburn, 10.95; Beverly, 11.24; Clinton, 11.40; Marlborough, 7.64; Melrose, 20.00; Weymouth, 18.37; Framingham, 18.40; Revere, 10.00.

The total death rate for the week was 15.60, as compared with 15.50 and 16.29 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 9, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	75	Measles,	190
Diphtheria and croup,	232	Typhoid fever,	83
Small-pox,	22		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 9, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, 3,	30.08	44	51	38	74	69	72	N.	N.	7	15	C.	C.		0.00
Monday, 4,	30.06	43	48	38	85	85	85	N. E.	N.	6	12	C.	O.		0.00
Tuesday, 5,	30.08	42	52	33	82	83	82	N. E.	N.	5	9	C.	C.		0.00
Wednesday, 6,	30.06	44	51	36	55	75	65	N.	N. W.	11	9	C.	O.		0.00
Thursday, 7,	30.06	40	48	32	62	68	65	S.	N. W.	9	9	C.	C.		0.00
Friday, 8,	30.01	45	52	38	62	69	66	N. W.	W.	5	9	O.	O.		T
Saturday, 9,	30.04	46	54	39	65	83	74	W.	W.	12	11	C.	C.		T
Week,	30.06		51	36			73								0.00

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of October, 1901 : —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	239	327	566	Canned Goods, .	..	..	..
Butter, . . .	6	2	8	Honey, . . .	6	1	7
Cheese, . . .	4	..	4	Tea, . . .	..	..	..
Lard, . . .	2	1	3	Coffee, . . .	9	1	10
Olive Oil, . . .	..	..	..	Cocoa and Chocolate,	9	4	13
Vinegar, . . .	5	7	12	Confectionery, .	..	1	1
Spices, . . .	80	22	102	Condensed Milk, .	..	2	2
Cream of Tartar, .	24	..	24	Miscellaneous, .	4	1	5
Molasses, . . .	1	..	1	Drugs, . . .	70	49	119
Syrups, . . .	..	..	..				
Maple Sugar, . .	..	..	..				
Maple Syrup, . .	2	1	3				
				Totals, . .	461	419	880

Percentage of adulteration, 47.6. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 57.8 per cent., while the percentage of articles of food was 22.1 per cent.

Six complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. These were for the violation of the laws relative to the sale of milk. The parties were all found guilty, one case was placed on file, the others paid fines. Total amount, $161.

The samples of drugs found to be adulterated were Aqua Ammonia Fort, Capsicum, Cera Alba, Glycerinum, Liquor Calcis, Oleum Limonis, Oleum Olivæ, Quinina Sulphas, Sodii Phospas, Spiritus Ætheris Nitrosi, Sulphur Lotum, Sulphur Præcipitatum, Tinctura Iodi, Zingiber.

Cities and towns from which samples of food were collected were Boston, Fall River, Lowell, Cambridge, Chelsea, Medford, Lynn, Haverhill, Somerville, Salem, Taunton, Malden, Newton, Revere, Dedham, Gloucester, Waltham, Watertown, Lawrence, Beverly, Melrose, Middleton, New Bedford, Everett, Belmont, Newburyport, Brookline, Winthrop, Attleborough, Acton and Milford.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 16, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 46.

Entered at the post-office at Boston as second-class matter.

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 16, 1901.

Deaths reported to the State Board of Health in 35 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	210	54	67	23	3	9	11
Worcester, ...	118,421	38	9	5	9	1	..	1
Fall River, ...	104,863	37	13	17	2	3	10	1
Lowell, ...	94,969	38	13	6	4	..	..	4
Cambridge, ...	91,886	30	10	9	3	..	1	2
Lynn, ...	68,513	21	6	7	1	1	..	..
Lawrence, ...	62,559	22	11	2	4	..	1	1
New Bedford, ...	62,442	15	7	1	1	..	1	..
Springfield, ...	62,059	19	2	6	1	1	..	1
Somerville, ...	61,643	16	2	3	..	..	..	..
Holyoke, ...	45,712	..	..	..	..	..	..	..
Brockton, ...	40,063	6	1	2	..	1	..	..
Haverhill, ...	37,175	7	1	..	1	..	..	..
Salem, ...	35,956	7	4	1	..	..	..	..
Chelsea, ...	34,072	3	..	..	..	..	..	..
Malden, ...	33,664	9	2	1	1	..	..	..
Newton, ...	33,587	9	2	1	1	..	..	..
Fitchburg, ...	31,531	7	1	2	..	2	..	..
Taunton, ...	31,036	14	2	3	2	..	1	..
Gloucester, ...	26,121	4	..	1	..	..	..	1
Everett, ...	24,336	6	3	..	2	..	..	..
North Adams, ...	24,200	9	4	2	3	..	..	..
Quincy, ...	23,899	5	..	1	2	..	..	..
Waltham, ...	23,481	8	..	1	..	..	..	..
Pittsfield, ...	21,766	4	..	1	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	3	1	..	1	..	..	..
Northampton, ...	18,643	4	..	1	..	..	..	..
Medford, ...	18,244	8	..	2	2	..	..	..
Newburyport, ...	14,478	3	1	2	..	..	1	..
Woburn, ...	14,254	..	..	..	..	..	..	..
Beverly, ...	13,884	1	..	..	..	..	..	..
Clinton, ...	13,667	3	..	..	..	..	..	..
Marlborough, ...	13,609	2	1	..	..	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	7	2	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	..	..	..	..	..	..	..
Framingham, ...	11,302	2	1	..	..	..	..	..
Revere, ...	10,395	2	1	..	..	..	..	..
Southbridge, ...	10,025	1	1	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,865,510	580	155	145	63	12	24	22

Deaths from Prevalent Diseases in 35 Cities and Larger Towns of Massachusetts.

One hundred and forty-five deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 5; cerebro-spinal meningitis, 10; diphtheria and croup, 22; typhoid fever, 12; puerperal fever, 2; diarrhœal diseases, 24; small-pox, 3.

No deaths were reported from whooping-cough, erysipelas, malarial fever or influenza.

There were 66 deaths from consumption, acute lung diseases, 63, still-births, 24.

From measles: Boston, 1. From scarlet fever: Boston, 3; Cambridge and Salem, 1 each. From cerebro-spinal meningitis: Boston, 2; Worcester, 3; Cambridge, 1; Lynn, 3; Southbridge, 1. From diphtheria and croup: Boston, 11; Lowell, 4; Cambridge, 2; Worcester, Fall River, Lawrence, Springfield and Gloucester, 1 each. From typhoid fever: Boston, 3; Fall River, 3; Fitchburg, 2; Worcester, Lynn, Springfield and Brockton, 1 each. From small-pox: Boston, 3.

Deaths under five years of age numbered 155, as compared with 157 for the preceding week.

Deaths from the principal infectious diseases numbered 145, as compared with 139 for the preceding week.

The death rates for the week were, Boston, 19.40; Worcester, 17.09; Fall River, 18.34; Lowell, 20.80; Cambridge, 16.97; Lynn, 15.93; Lawrence, 18.28; New Bedford, 12.48; Springfield, 15.91; Somerville, 13.47; Brockton, 7.79; Haverhill, 9.80; Salem, 10.12; Chelsea, 4.58; Malden, 13.90; Newton, 13.93; Fitchburg, 11.55; Taunton, 23.45; Gloucester, 7.96; Everett, 12.82; North Adams, 19.33; Quincy, 10.86; Waltham, 17.71; Pittsfield, 9.56; Brookline, ——; Chicopee, 8.14; Northampton, 11.16; Medford, 22.80; Newburyport, 10.77; Beverly, 3.75; Clinton, 11.40; Marlborough, 7.64; Melrose, 28.07; Framingham, 9.20; Revere, 10.00; Southbridge, 5.20.

The total death rate for the week was 16.16, as compared with 15.60 and 15.50 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 16, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	78	Measles,	239
Diphtheria and croup,	281	Typhoid fever,	59
Small-pox,	32		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 16, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 10,	30.24	34	42	27	42	66		54	N. W.	N. W.	22	23		C.	C.			0.00
Monday, . . 11,	30.18	33	42	24	44	86		65	N. W.	W.	12	3		O.	O.			0.02
Tuesday, . . 12,	29.54	39	43	35	100	100		100	N. E.	N. W.	8	16		R.	R.			0.30
Wednesday, . 13,	29.34	35	41	29	60	95		78	W.	W.	22	20		F.	S.			0.06
Thursday, . . 14,	29.32	33	37	29	63	77		70	W.	W.	18	8		O.	O.			0.03
Friday, . . 15,	29.58	38	43	32	72	59		66	S. W.	S. W.	16	10		C.	C.			0.00
Saturday, . . 16,	29.80	38	44	32	76	55		60	S. W.	W.	14	9		C.	O.			0.00
Week, . . .	29.71		42	30				70										0.41

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

NOTICE.

Small-pox is prevalent in Boston and in some of the neighboring cities, the number of cases reported during the past week having been sixty-one. It is impossible to state its source. It is recommended that general vaccination be practised everywhere throughout the State, and that boards of health should offer facilities for vaccination by every means in their power. Every case of small-pox reported to local boards should be promptly isolated, and all proper measures taken to protect the community from infection. These measures are deemed to be of great importance in order that we may not suffer a repetition of the experience of 1871 and '72.

Suspicious cases of eruptive diseases should at once be investigated by local boards, and if necessary expert assistance should be secured in order to determine the nature of doubtful cases.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 23, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 47.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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FRANK W. DRAPER, M.D., Boston.
GERARD C. TOBEY, Esq., Wareham.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 23, 1901.

Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Prineipal Infeetious Diseases.	Aeute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	214	54	49	42	2	8	2
Worcester, ...	118,421	24	7	3	5	1	1	..
Fall River, ...	104,863	30	12	6	8	1	3	..
Lowell, ...	94,969	42	18	9	..	..	..	4
Cambridge, ...	91,886	20	8	1	2	1	..	..
Lynn, ...	68,513	..	..	..	..	..	..	..
Lawrence, ...	62,559	22	10	6	6	..	..	2
New Bedford, ...	62,442	21	8	..	3	..	..	..
Springfield, ...	62,059	17	4	3	..	..	..	..
Somerville, ...	61,643	25	5	5	3	..	..	1
Holyoke, ...	45,712	13	6	1	1	..	..	..
Brockton, ...	40,063	7	4	1	..	..	..	..
Haverhill, ...	37,175	12	1	2	3	1	..	..
Salem, ...	35,956	10	3	4	..	1	..	2
Chelsea, ...	34,072	11	3	..	..	..	..	..
Malden, ...	33,664	11	3	4	2	1	..	..
Newton, ...	33,587	4	1	1	..	..	..	..
Fitchburg, ...	31,531	6	1	..	..	..	..	..
Taunton, ...	31,036	7	..	..	1	..	..	..
Gloucester, ...	26,121	6	2	1	..	..	..	..
Everett, ...	24,336	6	2	..	2	..	..	..
North Adams, ...	24,200	8	2	3	2	1	..	1
Quincy, ...	23,899	8	1	3	1	..	..	..
Waltham, ...	23,481	9	1	2	1	..	..	1
Pittsfield, ...	21,766	3	..	1	2	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	7	3	1	2	..	1	..
Northampton, ...	18,643	6	1	1	..	..	..	..
Medford, ...	18,244	0	0	..	..	..	..	..
Newburyport, ...	14,478	..	..	..	..	..	..	..
Woburn, ...	14,254	0	0	..	..	..	..	..
Beverly, ...	13,884	..	..	..	..	..	..	..
Clinton, ...	13,667	8	1	2	2	..	..	..
Marlborough, ...	13,609	..	..	..	..	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	4	1	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	7	1	..	..	..	..	..
Framingham, ...	11,302	3	1	1	1	..	..	..
Revere, ...	10,395	..	..	..	..	..	..	..
Southbridge, ...	10,025	2	..	1	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infeetious Diseases.	Aeute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,815,921	573	164	111	89	9	13	14

Deaths from Prevalent Diseases in 33 Cities and Larger Towns of Massachusetts.

One hundred and eleven deaths were reported from the principal infectious diseases: measles, 4; scarlet fever, 1; cerebro-spinal meningitis, 7; diphtheria and croup, 14; whooping-cough, 2; erysipelas, 3; typhoid fever, 9; diarrhœal diseases, 13; small-pox, 4.

No deaths were reported from puerperal fever, malarial fever or influenza.

There were 54 deaths from consumption, acute lung diseases, 89, still-births, 31.

From measles: Boston, 1, Lowell, 3. From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Boston, 3; Worcester, Brockton, Malden, and Gloucester, 1 each. From diphtheria and croup: Boston, 2; Lowell, 4; Lawrence, 2; Salem, 2; Somerville, North Adams, Waltham and Southbridge, 1 each. From whooping-cough, Boston and Lawrence, 1 each. From erysipelas: Boston, 2; Somerville, 1. From typhoid fever: Boston, 2; Worcester, Fall River, Cambridge, Haverhill, Salem, Malden and North Adams, 1 each. From diarrhœal diseases: Boston, 8; Fall River, 3; Worcester and Chicopee, 1 each. From small-pox: Boston, 4.

Deaths under five years of age numbered 164, as compared with 155 for the preceding week.

Deaths from the principal infectious diseases numbered 111, as compared with 145 for the preceding week.

The death rates for the week were, Boston, 19.84; Worcester, 10.54; Fall River, 14.87; Lowell, 23.00; Cambridge, 11.32; Lynn, ——; Lawrence, 18.28; New Bedford, 17.47; Springfield, 14.24; Somerville, 21.05; Holyoke, 14.78; Brockton, 9.08; Haverhill, 16.80; Salem, 14.46; Chelsea, 16.79; Malden, 16.98; Newton, 6.19; Fitchburg, 9.90; Taunton, 11.72; Gloucester, 11.94; Everett, 12.82; North Adams, 17.18; Quincy, 17.38; Waltham, 19.92; Pittsfield, 8.17; Brookline, ——; Chicopee, 19.00; Northampton, 16.74; Medford, ——; Woburn, ——; Clinton, 30.40; Melrose, 16.00; Weymouth, 32.15; Framingham, 13.80; Southbridge, 10.40.

The total death rate for the week was 16.39, as compared with 16.16 and 15.60 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 23, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	60	Measles,	278
Diphtheria and croup,	214	Typhoid fever,	62
Small-pox,	61		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 23, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, 17,	29.89	40	45	35	64	74	69	W.	N. W.	7	13		O.	O.			0.00
Monday, 18,	30.00	38	45	31	73	68	70	N. W.	N.	6	6		O.	O.			0.00
Tuesday, 19,	29.98	34	38	30	100	90	95	W.	N.	7	12		R.	O.			0.05
Wednesday, 20,	30.20	34	39	28	83	80	82	N. W.	N. W.	10	6		C.	C.			0.00
Thursday, 21,	30.25	34	43	26	82	64	73	N. W.	N. W.	12	4		C.	C.			0.00
Friday, 22,	30.24	40	49	31	74	68	71	W.	S. W.	5	9		C.	C.			0.00
Saturday, 23,	30.28	37	40	34	78	81	80	N. W.	N. E.	6	13		O.	O.			T
Week,	30.12		43	31			77										0.05

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 30, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 48.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 30, 1901.

Deaths reported to the State Board of Health in 35 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	211	60	40	47	..	..	8
Worcester, ...	118,421	24	6	4	4	..	..	..
Fall River, ...	104,863	22	9	6	2	1	3	..
Lowell, ...	94,969	45	16	17	11	2	1	7
Cambridge, ...	91,886	28	6	4	3	..	1	..
Lynn, ...	68,513	20	..	4	1	1	..	..
Lawrence, ...	62,559	16	7	1	3	..	..	1
New Bedford, ...	62,442	18	7	4	1	..	..	1
Springfield, ...	62,059	19	3	2	3	..	..	..
Somerville, ...	61,643	..	..	..	..	..	..	..
Holyoke, ...	45,712	16	8	1	3	..	..	..
Brockton, ...	40,063	12	2	1	..	..	..	1
Haverhill, ...	37,175	15	3	2	..	..	..	..
Salem, ...	35,956	15	5	..	..	..	..	..
Chelsea, ...	34,072	11	1	..	..	..	..	..
Malden, ...	33,664	7	1	1	..	..	..	1
Newton, ...	33,587	10	..	2	2	1	..	..
Fitchburg, ...	31,531	9	4	..	..	..	..	..
Taunton, ...	31,036	5	..	..	..	..	..	..
Gloucester, ...	26,121	5	1	1	..	..	..	..
Everett, ...	24,336	6	..	1	1	..	..	..
North Adams, ...	24,200	13	4	1	4	..	..	..
Quincy, ...	23,899	5	3	..	..	..	..	..
Waltham, ...	23,481	5	1	1	1	..	..	1
Pittsfield, ...	21,766	3	1	1	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	6	3	..	..	..	..	..
Northampton, ...	18,643	6	2	..	..	..	..	..
Medford, ...	18,244	7	1	..	3	..	..	..
Newburyport, ...	14,478	5	1	..	..	..	..	..
Woburn, ...	14,254	3	1	..	1	..	..	..
Beverly, ...	13,884	3	..	..	2	..	..	..
Clinton, ...	13,667	7	4	1	..	..	..	1
Marlborough, ...	13,609	8	3	1	..	..	..	1
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	2	..	1	1	1	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	0	0	..	..	..	..	..
Framingham, ...	11,302	..	..	..	..	..	..	..
Revere, ...	10,395	2	1	..	..	..	..	..
Southbridge, ...	10,025	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,853,830	589	164	97	93	6	5	22

Deaths from Prevalent Diseases in 35 Cities and Larger Towns of Massachusetts.

Ninety-three deaths were reported from the principal infectious diseases: measles, 1; scarlet fever, 1; cerebro-spinal meningitis, 2; diphtheria and croup, 22; whooping-cough, 1; typhoid fever, 6; puerperal fever, 1; diarrhœal diseases, 5; small-pox, 10.

No deaths were reported from erysipelas, malarial fever or influenza.

There were 45 deaths from consumption, acute lung diseases, 93, still-births, 38.

From measles: Boston, 1. From scarlet fever: Holyoke, 1. From cerebro-spinal meningitis: Boston, 2; Lynn, 1. From diphtheria and croup: Boston, 8; Lowell, 7; Lawrence, New Bedford, Brockton, Malden, Waltham, Clinton and Marlborough, 1 each. From whooping-cough, Boston, 1. From typhoid fever: Lowell, 2; Fall River, Lynn, Newton and Melrose, 1 each. From puerperal fever: Boston, 1. From diarrhœal diseases: Fall River, 3; Lowell and Cambridge, 1 each.

Deaths under five years of age numbered 164, as compared with 164 for the preceding week.

Deaths from the principal infectious diseases numbered 93, as compared with 111 for the preceding week.

The death rates for the week were, Boston, 19.56; Worcester, 9.54; Fall River, 10.90; Lowell, 24.64; Cambridge; 15.84; Lynn, 15.17; Lawrence, 13.29; New Bedford, 14.98; Springfield, 15.91; Holyoke, 18.99; Brockton, 15.57; Haverhill, 21.00; Salem, 21.69; Chelsea, 16.79; Malden, 10.80; Newton, 15.48; Fitchburg, 14.85; Taunton, 8.37; Gloucester, 9.95; Everett, 12.82; North Adams, 27.92; Quincy, 10.86; Waltham, 11.07; Pittsfield, 7.17; Chicopee, 16.28; Northampton, 16.73; Medford, 19.96; Newburyport, 17.95; Woburn, 10.97; Beverly, 11.24; Clinton, 26.63; Marlborough, 30.56; Melrose, 8.02; Weymouth, ——; Revere, 10.00.

The total death rate for the week was 16.52, as compared with 16.39 and 16.16 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Nov. 30, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1898.)

Scarlet fever,	81	Measles,	376
Diphtheria and croup,	200	Typhoid fever,	41
Small-pox,	110		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 30, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 24,	29.70	40	45	36	85	100		92	N. E.	N. E.	31	30		O.	R.			1.21
Monday, . . 25,	29.34	38	42	35	95	82		88	N.	N. W.	15	24		R.	O.			0.71
Tuesday, . . 26,	29.60	30	36	24	89	76		82	W.	N. W.	20	27		S.	O.			0.01
Wednesday, . 27,	29.91	24	32	17	78	59		68	W.	N. W.	20	24		O.	C.			0.00
Thursday, . . 28,	30.11	19	24	14	81	60		70	N. W.	N. W.	20	20		O.	C.			0.00
Friday, . . 29,	29.96	20	29	12	80	76		78	W.	S.	9	5		F.	O.			0.00
Saturday, . . 30,	29.98	28	34	21	87	65		76	W.	N. W.	6	9		O.	C.			0.00
Week, . . .	29.80		35	23				79										1.93

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Notice to Local Boards of Health.

For the purpose of facilitating the work of vaccination in cities and towns, the State Board of Health distributed a supply of Vaccination Record Books to the local boards of health last year.

If any of the local boards of health desire additional copies, in consequence of the unusual demand for vaccination at the present time, they can be had on application to the Board.

Office of the State Board of Health,
141 State House, Boston,
December, 1901.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 7, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 49.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

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CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 7, 1901.

Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	560,892	237	62	60	33	4	6	8
Worcester,	118,421	39	12	7	7	1	1	..
Fall River,	104,863	..	..	..	..	..	..	..
Lowell,	94,969	53	32	18	15	..	1	9
Cambridge,	91,886	37	11	7	10	..	1	3
Lynn,	68,513	25	6	3	2	..	..	..
Lawrence,	62,559	15	5	2	2	..	..	..
New Bedford,	62,442	23	8	6	3	1	1	..
Springfield,	62,059	12	1	1	1	..	..	..
Somerville,	61,643	17	1	5	2	..	..	1
Holyoke,	45,712	7	5	3	2	..	1	..
Brockton,	40,063	10	2	2	..	..	..	..
Haverhill,	37,175	12	2	3	1	..	..	1
Salem,	35,956	8	..	..	1	..	..	..
Chelsea,	34,072	7	3	..	..	..	..	..
Malden,	33,664	10	..	2	2	1	..	..
Newton,	33,587	5	1	1	..	..	..	1
Fitchburg,	31,531	10	2	1	..	1	..	..
Taunton,	31,036	12	3	3	1	..	..	1
Gloucester,	26,121	6	1	1	..	..	..	..
Everett,	24,336	2	..	..	..	..	..	..
North Adams,	24,200	5	1	2	..	..	..	1
Quincy,	23,899	..	..	..	..	..	..	..
Waltham,	23,481	3	1	..	..	..	..	..
Pittsfield,	21,766	5	1	1	..	1	..	..
Brookline,	19,935	..	..	..	..	..	..	..
Chicopee,	19,167	2	1	..	1	..	..	..
Northampton,	18,643	6	1	..	..	..	..	..
Medford,	18,244	6	..	..	2	..	..	..
Newburyport,	14,478	7	2	2	..	..	1	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	5	1	1	..	..	..	..
Clinton,	13,667	6	4	1	..	..	1	..
Marlborough,	13,609	2	..	1	..	..	..	..
Hyde Park,	13,244	5	1	..	1	..	..	..
Melrose,	12,962	4	..	1	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	4	..	1	..	..	..	..
Framingham,	11,302	2	2	..	..	..	..	..
Revere,	10,395	1	1	..	..	..	..	..
Southbridge,	10,025	5	..	1	2	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,807,028	615	173	136	88	9	13	25

Deaths from Prevalent Diseases in 36 Cities and Larger Towns of Massachusetts.

One hundred and thirty-six deaths were reported from the principal infectious diseases: measles, 8; scarlet fever, 4; cerebro-spinal meningitis, 5; diphtheria and croup, 25; whooping-cough, 1; erysipelas, 3; typhoid fever, 9; puerperal fever, 1; diarrhœal diseases, 13; small-pox, 15.

No deaths were reported from malarial fever or influenza.

There were 52 deaths from consumption, acute lung diseases, 88, still-births, 42.

From measles: Boston, 2; Worcester, 1; Lowell, 5. From scarlet fever: Boston, 2; Lowell, 1; New Bedford, 1;

From cerebro-spinal meningitis: Boston, 1; Worcester, 2; Somerville, 1; Brockton, 1. From diphtheria and croup: Boston, 8; Lowell, 9; Cambridge, 3; Somerville, Haverhill, Newton, Taunton and North Adams, 1 each. From whooping-cough, Boston, 1. From erysipelas: Boston, 2; Lynn, 1. From typhoid fever: Boston, 4; Worcester, New Bedford, Malden, Fitchburg and Pittsfield, 1 each. From puerperal fever: Boston, 1. From small-pox: Boston, 14; Cambridge, 1.

Deaths under five years of age numbered 173, as compared with 164 for the preceding week.

Deaths from the principal infectious diseases numbered 136, as compared with 97 for the preceding week.

The death rates for the week were, Boston, 21.97; Worcester, 17.13; Lowell, 30.02; Cambridge, 20.93; Lynn, 18.96; Lawrence, 12.46; New Bedford, 19.13; Springfield, 10.05; Somerville, 14.31; Holyoke, 7.96; Brockton, 12.98; Haverhill, 16.80; Salem, 11.57; Chelsea, 10.68; Malden, 15.44; Newton, 7.74; Fitchburg, 16.49; Taunton, 20.10; Gloucester, 11.94; Everett, 4.27; North Adams, 10.74; Waltham, 6.64; Pittsfield, 11.95; Chicopee, 5.43; Northampton, 16.73; Medford, 16.10; Newburyport, 25.14; Beverly, 18.73; Clinton, 22.80; Marlborough, 7.64; Hyde Park, 19.63; Melrose, 16.04; Weymouth, 18.37; Framingham, 9.20; Revere, 10.00; Southbridge, 26.90.

The total death rate for the week was 17.68, as compared with 16.52 and 16.39 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 7, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	99	Measles,	368
Diphtheria and croup,	196	Typhoid fever,	54
Small-pox,	76		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 7, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	DURATION.	AMOUNT IN INCHES.
Sunday, . . 1,	30.00	37	50	24	70	77	73	S. W.	S. W.	12	14	C.	C.		0.00
Monday, . . 2,	29.87	51	61	41	80	62	71	S. W.	W.	12	11	O.	C.		0.00
Tuesday, . . 3,	29.90	34	45	24	95	100	98	N.	N.	12	17	R.	S.		0.90
Wednesday, . 4,	29.85	21	26	16	67	70	68	N. W.	N. W.	18	17	O.	C.		0.86
Thursday, . . 5,	30.22	18	25	12	78	58	68	W.	N. W.	12	9	C.	C.		0.00
Friday, . . 6,	30.48	17	25	9	69	71	70	N. W.	N. W.	10	9	C.	C.		0.00
Saturday, . . 7,	30.49	20	25	14	82	73	78	N.	N. W.	15	9	O.	O.		0.00
Week, . . .	30.12		37	20			75								1.76

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 14, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 50.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
FRANK W. DRAPER, M.D., Boston.
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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 14, 1901.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	193	50	44	34	3	4	7
Worcester, ...	118,421	25	9	1	5	..	1	..
Fall River, ...	104,863	..	..	..	..	..	..	..
Lowell, ...	94,969	54	23	15	10	2	1	7
Cambridge, ...	91,886	29	8	5	7	..	..	..
Lynn, ...	68,513	16	4	2	3	..	..	1
Lawrence, ...	62,559	19	7	3	3	..	..	1
New Bedford, ...	62,442	22	7	2	1	..	..	..
Springfield, ...	62,059	16	3	6	1	..	..	1
Somerville, ...	61,643	19	4	2	7	1	..	..
Holyoke, ...	45,712	10	3	2	..	1	..	..
Brockton, ...	40,063	7	2	3	..	1	..	2
Haverhill, ...	37,175	11	..	1	2	..	..	..
Salem, ...	35,956	12	2	2	2	..	..	..
Chelsea, ...	34,072	8	2	2	..	..	..	1
Malden, ...	33,664	11	3	2	2	..	..	1
Newton, ...	33,587	7	1	1	..	..	..	..
Fitchburg, ...	31,531	10	..	3	2	..	..	2
Taunton, ...	31,036	12	1	2	2	1	..	..
Gloucester, ...	26,121	7	3	2	..	1	..	..
Everett, ...	24,336	11	2	2	..	..	..	1
North Adams, ...	24,200	4	3	2	1	1	..	1
Quincy, ...	23,899	6	..	1	..	..	..	..
Waltham, ...	23,481	6	2	2	..	..	..	..
Pittsfield, ...	21,766	1	..	..	..	..	..	..
Brookline, ...	19,935	..	..	..	..	..	..	..
Chicopee, ...	19,167	3	1	1	..	..	..	1
Northampton, ...	18,643	3	..	2	..	..	..	..
Medford, ...	18,244	4	..	1	..	..	..	..
Newburyport, ...	14,478	5	2	..	..	..	..	..
Woburn, ...	14,254	5	3	..	2	..	..	..
Beverly, ...	13,884	5	..	..	1	..	..	..
Clinton, ...	13,667	3	..	..	..	..	..	..
Marlborough, ...	13,609	2	..	..	..	..	..	..
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	4	2	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	4	..	1	..	..	..	..
Framingham, ...	11,302	2	1	..	..	..	..	..
Revere, ...	10,395	3	1	..	2	..	..	..
Southbridge, ...	10,025	6	..	..	2	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,831,937	565	149	112	89	11	6	27

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and twelve deaths were reported from the principal infectious diseases : measles, 10 ; scarlet fever, 5 ; cerebro-spinal meningitis, 2 ; diphtheria and croup, 27 ; whooping-cough, 2 ; typhoid fever, 11 ; puerperal fever, 1 ; diarrhœal diseases, 6 ; small-pox, 8.

No deaths were reported from erysipelas or malarial fever.

There were 40 deaths from consumption, acute lung diseases, 89, still-births, 40.

From measles : Boston, 5 ; Lowell, 3 ; Cambridge, 1 ; Chelsea, 1. From scarlet fever : Boston, 3 ; Salem and Gloucester, 1 each. From cerebro-spinal meningitis : Lynn and Newton, 1 each. From whooping-cough, Lowell and Springfield, 1 each. From typhoid fever : Boston, 3 ; Lowell, 2 ; Somerville, Holyoke, Brockton, Taunton, Gloucester and North Adams, 1 each. From diarrhœal diseases : Boston, 4 ; Worcester and Lowell, 1 each. From small-pox : Boston, 6 ; Cambridge and Malden, 1 each.

Deaths under five years of age numbered 149, as compared with 173 for the preceding week.

Deaths from the principal infectious diseases numbered 112, as compared with 136 for the preceding week.

The death rates for the week were, Boston, 17.89 ; Worcester, 10.98 ; Fall River, ——; Lowell, 30.56 ; Cambridge, 16.41 ; Lynn, 12.14 ; Lawrence, 15.79 ; New Bedford, 18.30 ; Springfield, 13.40 ; Somerville, 16.00 ; Holyoke, 11.37 ; Brockton, 9.10 ; Haverhill, 15.40 ; Salem, 17.35 ; Chelsea, 12.20 ; Malden, 16.98 ; Newton, 10.84 ; Fitchburg, 16.49 ; Taunton, 20.10 ; Gloucester, 13.93 ; Everett, 23.50 ; North Adams, 8.59 ; Quincy, 13.04 ; Waltham, 13.28 ; Pittsfield, 2.39 ; Brookline, —— ; Chicopee, 8.14 ; Northampton, 8.37 ; Medford, 11.40 ; Newburyport, 17.95 ; Woburn, 18.24 ; Beverly, 18.73 ; Clinton, 11.40 ; Marlborough, 7.64 ; Melrose, 16.04 ; Weymouth, 18.36 ; Framingham, 9.20 ; Revere, 15.00 ; Southbridge, 30.00.

The total death rate for the week was 16.04, as compared with 17.68 and 16.52 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 14, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1898.)

Scarlet fever,	97	Measles,	394
Diphtheria and croup,	189	Typhoid fever,	60
		Small-pox,	78

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 14, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 8,	30.34	28	36	21	87	76		82	N. W.	S. E.	2	7		F.	O.			0.00
Monday, . . 9,	30.01	44	53	36	92	68		80	S.	S. W.	12	2		F.	O.			0.00
Tuesday, . . 10,	29.80	47	55	39	100	54		77	S.	W.	13	20		R.	C.			0.85
Wednesday, . 11,	30.28	40	44	36	64	56		60	S. W.	W.	15	6		F.	C.			0.00
Thursday, . . 12,	30.42	39	42	36	78	87		82	W.	N. E.	6	6		O.	C.			0.00
Friday, . . 13,	30.37	48	57	38	93	94		94	E.	S.	7	20		F.	R.			0.02
Saturday, . . 14,	30.16	56	64	49	94	79		86	S.	S.	9	24		R.	O.			0.01
Week, . . .	30.20		50	36				80										0.88

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of November, 1901 : —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	332	165	497	Canned Goods, .	..	..	..
Butter, . . .	9	1	10	Honey, . . .	1	..	1
Cheese, . . .	2	..	2	Tea, . . .	4	..	4
Lard, . . .	..	..	..	Coffee, . . .	10	..	10
Olive Oil, . . .	1	..	1	Cocoa and Chocolate,	1	1	2
Vinegar, . . .	12	35	47	Confectionery, .	8	..	8
Spices, . . .	108	15	123	Flavoring Extracts,	..	6	6
Cream of Tartar, .	21	..	21	Condensed Milk, .	1	2	3
Molasses, . . .	7	6	13	Miscellaneous, .	3	1	4
Syrups, . . .	..	..	..	Drugs, . . .	50	44	94
Maple Sugar, . .	..	..	..				
Maple Syrup, . .	1	1	2				
				Totals, . .	571	277	848

Percentage of adulteration, 30.9. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 33.2 per cent., while the percentage of articles of food was 26.4 per cent. Of the vinegar examined 74.5 per cent was found to be adulterated, 21 samples were entirely artificial.

Three complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. One of these was for the violation of the laws relative to the sale of milk; a fine was imposed of $65.00. The others were for violation of the laws relative to the sale of food. Fines imposed, $120.00

The samples of drugs found to be adulterated were Acidum Tannicum, Capsicum, Cera Alba, Cera Flava, Glycerinum, Liquor Calcis, Oleum Limonis, Oleum Olivæ, Sodii Boras, Sodii Phosphas, Spiritus Ætheris Nitrosi, Sulphur Lotum, Sulphur Præcipitatum, Tinctura Iodi.

Cities and towns from which samples of food were collected were Boston, Worcester, Fall River, Cambridge, Lawrence, Somerville, Brockton, Haverhill, Newton, Waltham, Marlborough, Arlington, Hudson, Blackstone, Hyde Park, Quincy, Westborough, Stoughton, Brookline, Townsend, Chelsea, Revere, Needham, Westwood, Attleborough, Clinton, Newburyport, New Bedford, Everett, Lowell, Malden and Springfield.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 21, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 51.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 21, 1901.

Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston, ...	560,892	232	59	56	41	1	1	3
Worcester, ...	118,421	43	12	4	8	1	..	..
Fall River, ...	104,863	33	12	6	2	..	2	2
Lowell, ...	94,969	54	24	9	13	2	..	4
Cambridge, ...	91,886	20	8	6	4	..	..	4
Lynn, ...	68,513	20	5	..	5	..	..	..
Lawrence, ...	62,559	..	..	..	..	..	..	..
New Bedford, ...	62,442	..	..	..	..	..	..	..
Springfield, ...	62,059	24	4	2	3	1	..	..
Somerville, ...	61,643	12	3	3	2	1	..	..
Holyoke, ...	45,712	11	5	3	1	..	..	..
Brockton, ...	40,063	11	2	3	..	1	..	..
Haverhill, ...	37,175	13	2	3	3	..	..	..
Salem, ...	35,956	11	3	..	1	..	..	..
Chelsea, ...	34,072	15	..	2	..	1	..	..
Malden, ...	33,664	10	2	1	..	..	..	..
Newton, ...	33,587	15	2	3	1	1	..	..
Fitchburg, ...	31,531	..	..	..	..	..	..	..
Taunton, ...	31,036	11	..	3	2	..	..	..
Gloucester, ...	26,121	5	2	..	..	..	..	..
Everett, ...	24,336	6	1	..	1	..	..	..
North Adams, ...	24,200	7	3	..	..	..	..	..
Quincy, ...	23,899	4	1	1	1	..	..	..
Waltham, ...	23,481	7	1	3	1	..	..	..
Pittsfield, ...	21,766	3	1	1	..	1	..	..
Brookline, ...	19,935	7	1	..	1	..	..	..
Chicopee, ...	19,167	5	4	1	1	..	1	..
Northampton, ...	18,643	6	1	..	..	..	..	..
Medford, ...	18,244	..	..	..	..	..	..	..
Newburyport, ...	14,478	7	2	2	1	..	..	..
Woburn, ...	14,254	5	1	..	2	..	..	..
Beverly, ...	13,884	6	1	3	..	..	..	2
Clinton, ...	13,667	4	..	..	..	..	..	..
Marlborough, ...	13,609	5	..	2	2	..	..	1
Hyde Park, ...	13,244	..	..	..	..	..	..	..
Melrose, ...	12,962	1	..	..	..	..	..	..
Leominster, ...	12,392	..	..	..	..	..	..	..
Attleborough, ...	11,335	..	..	..	..	..	..	..
Weymouth, ...	11,324	4	..	2	..	..	..	..
Framingham, ...	11,302	..	..	..	..	..	..	..
Revere, ...	10,395	..	..	..	..	..	..	..
Southbridge, ...	10,025	5	..	..	2	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns, ..	1,760,262	622	162	119	98	10	4	16

Deaths from Prevalent Diseases in 33 Cities and Larger Towns of Massachusetts.

One hundred and nineteen deaths were reported from the principal infectious diseases : measles, 4 ; scarlet fever, 3 ; cerebro-spinal meningitis, 4 ; diphtheria and croup, 16 ; whooping-cough, 1 ; erysipelas, 3 ; typhoid fever, 10 ; puerperal fever, 1 ; diarrhœal diseases, 4 ; small-pox, 12 ; influenza, 1.

No deaths were reported from malarial fever.

There were 61 deaths from consumption, acute lung diseases, 98, still-births, 48.

From measles : Boston, 3 ; Lowell, 1. From scarlet fever : Boston, Holyoke and Waltham, 1 each. From cerebro-spinal meningitis : Cambridge, Holyoke, Weymouth and Southbridge, 1 each. From diphtheria and croup : Boston, 3 ; Fall River, 2 ; Cambridge, 4 ; Lynn, 4 ; Beverly, 2 ; Marlborough, 1. From puerperal fever : Boston, 1. From erysipelas : Worcester, Haverhill and Waltham, 1 each. From diarrhœal diseases : Boston, 1 ; Fall River, 2 ; Chicopee, 1. From influenza : Newburyport, 1.

Deaths under five years of age numbered 162, as compared with 149 for the preceding week.

Deaths from the principal infectious diseases numbered 119, as compared with 112 for the preceding week.

The death rates for the week were, Boston, 21.51 ; Worcester, 18.88 ; Fall River, 16.35; Lowell, 29.56 ; Cambridge, 11.31 ; Lynn, 15.17 ; Springfield, 20.10 ; Somerville, 10.10 ; Holyoke, 12.51 ; Brockton, 14.30 ; Haverhill, 18.20 ; Salem, 15.90 ; Chelsea, 22.89 ; Malden, 15.44 ; Newton, 23.22 ; Taunton, 18.42 : Gloucester, 9.95 ; Everett, 12.82 ; North Adams, 15.04 ; Quincy, 8.69 ; Waltham, 15.50 ; Pittsfield, 7.17 ; Brookline, 8.98 ; Chicopee, 13.56 ; Northampton, 16.73 ; Newburyport, 25.14 ; Beverly, 22.48 ; Clinton, 15.21 ; Marlborough, 19.10 ; Melrose, 4.01 ; Weymouth, 18.37 ; Southbridge, 26.00.

The total death rate for the week was 18.37, as compared with 16.04 and 17.68 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 21, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	73	Measles,	454
Diphtheria and croup,	146	Typhoid fever,	50
Small-pox,	63		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 21, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.		MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 15,	29.72	42	62	21	100	65		82	S.	N. W.	24	18		R.	C.			1.26
Monday, . . 16,	30.02	16	21	12	72	44		58	N. W.	N. W.	24	18		C.	C.			0.00
Tuesday, . . 17,	30.02	13	16	10	53	89		71	N. W.	N.	9	19		O.	O.			0.06
Wednesday, . 18,	30.07	18	24	13	81	73		77	N.	N. W.	15	7		O.	C.			0.04
Thursday, . . 19,	30.24	19	25	13	90	90		90	N. W.	W.	6	9		O.	O.			T
Friday, . . 20,	30.30	19	24	14	82	66		74	W.	N.	7	10		O.	O.			0.00
Saturday, . . 21,	30.28	18	24	13	82	65		74	N.	N.	12	13		O.	C.			0.00
Week, . . .	30.09		28	14				75										1.36

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

OF

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 28, 1901.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIX. No. 52.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.
HIRAM F. MILLS, C.E., Lawrence.
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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 28, 1901.

Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Population.	Reported Deaths in Each.	Deaths under Five Years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-Spinal Meningitis.
Boston,	560,892	176	42	42	29	6	3	1
Worcester,	118,421	34	16	6	5	..	..	2
Fall River,	104,863	26	8	3	4	..	..	..
Lowell,	94,969	32	15	7	8	..	3	1
Cambridge,	91,886	25	7	4	1	..	1	..
Lynn,	68,513	20	7	4	2	..	2	1
Lawrence,	62,559	22	11	6	..	2	..	..
New Bedford,	62,442	15	6	3	1	1	..	..
Springfield,	62,059	23	7	2	2	..	..	..
Somerville,	61,643	15	2	5	1	..	..	..
Holyoke,	45,712	10	3	1	..	1	..	..
Brockton,	40,063	13	5	5	..	1	..	2
Haverhill,	37,175	7	2	1	1	..	..	..
Salem,	35,956	10	4	1	..	1	..	..
Chelsea,	34,072	15	4	3	..	..	1	2
Malden,	33,664	16	7	3	2	1	..	..
Newton,	33,587	6	2	1	1	1	..	..
Fitchburg,	31,531	11	2	..	3	..	..	..
Taunton,	31,036	12	..	3	..	..	..	..
Gloucester,	26,121	8	1	..	..	..	..	..
Everett,	24,336	5	1	1	..	..	..	..
North Adams,	24,200	7	2	..	2	..	..	..
Quincy,	23,899	9	3	1	1	..	..	..
Waltham,	23,481	4	1	1	..	..	..	..
Pittsfield,	21,766	2	..	..	1	..	..	..
Brookline,	19,935	1	..	..	..	..	..	..
Chicopee,	19,167	8	3	1	1	..	1	..
Northampton,	18,643	6	..	1	..	..	..	..
Medford,	18,244	9	1	1	3	..	..	..
Newburyport,	14,478	8	1	..	1	..	..	..
Woburn,	14,254	..	..	..	..	..	..	..
Beverly,	13,884	4	2	..	..	..	..	..
Clinton,	13,667	1	..	..	..	..	..	..
Marlborough,	13,609	7	1	3	1	..	1	1
Hyde Park,	13,244	5	2	3	..	..	1	..
Melrose,	12,962	5	1	1	..	..	..	..
Leominster,	12,392	..	..	..	..	..	..	..
Attleborough,	11,335	..	..	..	..	..	..	..
Weymouth,	11,324	..	..	..	..	..	..	..
Framingham,	11,302	3	..	1	1	..	..	..
Revere,	10,395	2	1	..	..	..	..	..
Southbridge,	10,025	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under Five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-Spinal Meningitis.
Total of reporting towns, ..	1,934,376	582	170	114	71	14	13	10

Deaths from Prevalent Diseases in 37 Cities and Larger Towns of Massachusetts.

One hundred and fourteen deaths were reported from the principal infectious diseases : measles, 3 ; scarlet fever, 4 ; cerebro-spinal meningitis, 10 ; diphtheria and croup, 13 ; whooping-cough, 1 ; typhoid fever, 14 ; diarrhœal diseases, 5 ; small-pox, 9.

No deaths were reported from erysipelas, puerperal fever, malarial fever, or influenza.

There were 55 deaths from consumption, acute lung diseases, 71, still-births, 42.

From measles : Boston, Lowell, and Brockton, 1 each. From scarlet fever : Boston, 3 ; Taunton, 1. From cerebro-spinal meningitis : Boston, 1 ; Worcester, Brockton and Chelsea, 2 each ; Lowell, Lynn and Marlborough, 1 each. From whooping-cough : Lowell, 1. From typhoid fever : Boston, 6 ; Lawrence, 2 ; New Bedford, Holyoke, Brockton, Salem, Malden and Newton, 1 each. From diarrhœal diseases : Fall River, 2 ; Boston, Worcester and Somerville, 1 each. From small-pox : Boston, 8 ; Hyde Park, 1.

Deaths under five years of age numbered 170, as compared with 162 for the preceding week.

Deaths from the principal infectious diseases numbered 114, as compared with 119 for the preceding week.

The death rates for the week were, Boston, 16.32 ; Worcester, 14.93 ; Fall River, 10.19 ; Lowell, 17.52 ; Cambridge, 14.14 ; Lynn, 15.17 ; Lawrence, 18.28 ; New Bedford, 12.48 ; Springfield, 19.26 ; Somerville, 12.63 ; Holyoke, 11.37 ; Brockton, 16.90 ; Haverhill, 9.80 ; Salem, 14.46 ; Chelsea, 22.89 ; Malden, 24.70 ; Newton, 9.29 ; Fitchburg, 18.15 ; Taunton, 20.10 ; Gloucester, 15.92 ; Everett, 10.68 ; North Adams, 15.04 ; Quincy, 19.56 ; Waltham, 8.85 ; Pittsfield, 4.78 ; Brookline, 2.71 ; Chicopee, 21.70 ; Northampton, 16.73 ; Medford, 25.66 ; Newburyport, 28.73 ; Woburn, —— ; Beverly, 14.98 ; Clinton, 3.80 ; Marlborough, 26.74 ; Hyde Park, 19.63 ; Melrose, 20.05 ; Framingham, 13.80 ; Revere, 10.00.

The total death rate for the week was 15.64, as compared with 18.37 and 16.04 for the previous two weeks.

Cases of Infectious Diseases reported to the State Board of Health during the Week ending Dec. 28, 1901.

(Under the Provisions of Chapter 302 of the Acts of 1898.)

Scarlet fever,	71	Measles,	289
Diphtheria and croup,	164	Typhoid fever,	48
Small-pox,	40		

(SIGNED) **S. W. ABBOTT, M.D.,**
Secretary of the State Board of Health.

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 28, 1901.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A.M.	8 P.M.	MEAN.	8 A.M.	8 P.M.	8 A.M.	8 P.M.	8 A.M.	8 P.M.		DURATION.	AMOUNT IN INCHES.
Sunday, . . 22,	30.20	20	29	10	71	66	68	W.	S.	3	10	C.	O.			0.00
Monday, . . 23,	29.89	34	40	29	70	74	72	S. W.	S. E.	12	4	O.	O.			T
Tuesday, . . 24,	29.65	38	41	35	100	66	83	W.	W.	12	20	R.	C.			0.68
Wednesday, . 25,	29.90	36	38	34	74	81	78	S. W.	W.	8	8	O.	C.			0.01
Thursday, . . 26,	30.20	36	42	30	70	64	67	W.	S. E.	11	9	C.	O.			0.00
Friday, . . 27,	29.94	36	40	32	100	69	84	N.	N. W.	11	14	R.	C.			0.81
Saturday, . . 28,	30.32	36	41	31	78	74	76	N.	S. E.	3	12	F.	O.			0.00
Week, . . .	30.01		39	29			75									1.50

* O. = Cloudy; C. = Clear; F. = Fair; G. = Fog; H. = Hazy; S. = Smoky; R. = Rain; T. = Threatening; N. = Snow.

U. HOLZER
BINDER
BOSTON, MASS.